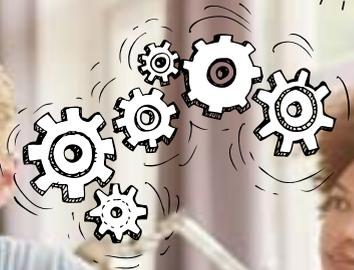


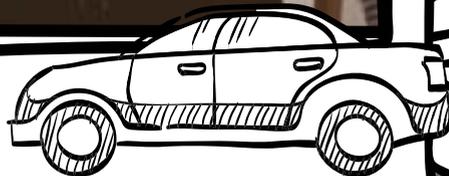
AIAG

2019

# Catalog



publications | training | certifications





AIAG members understand that collaboration is more than just a buzzword — it's the best way to drive significant improvements in cost, quality, and customer satisfaction for your organization.

That's why AIAG now offers free sponsored memberships to qualifying suppliers. AIAG members benefit from access to (and discounts on) a variety of tools, resources and trainings, including the new Global Supplier Visibility Map. This innovative offering allows users to identify supplier locations in the event of a natural disaster or geopolitical unrest — and can also be used as a cost effective commercial development and marketing resource!

**MINIMIZE:** RISK &  
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**MAXIMIZE:** ACCESS TO  
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● EVENTS

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● STANDARDS

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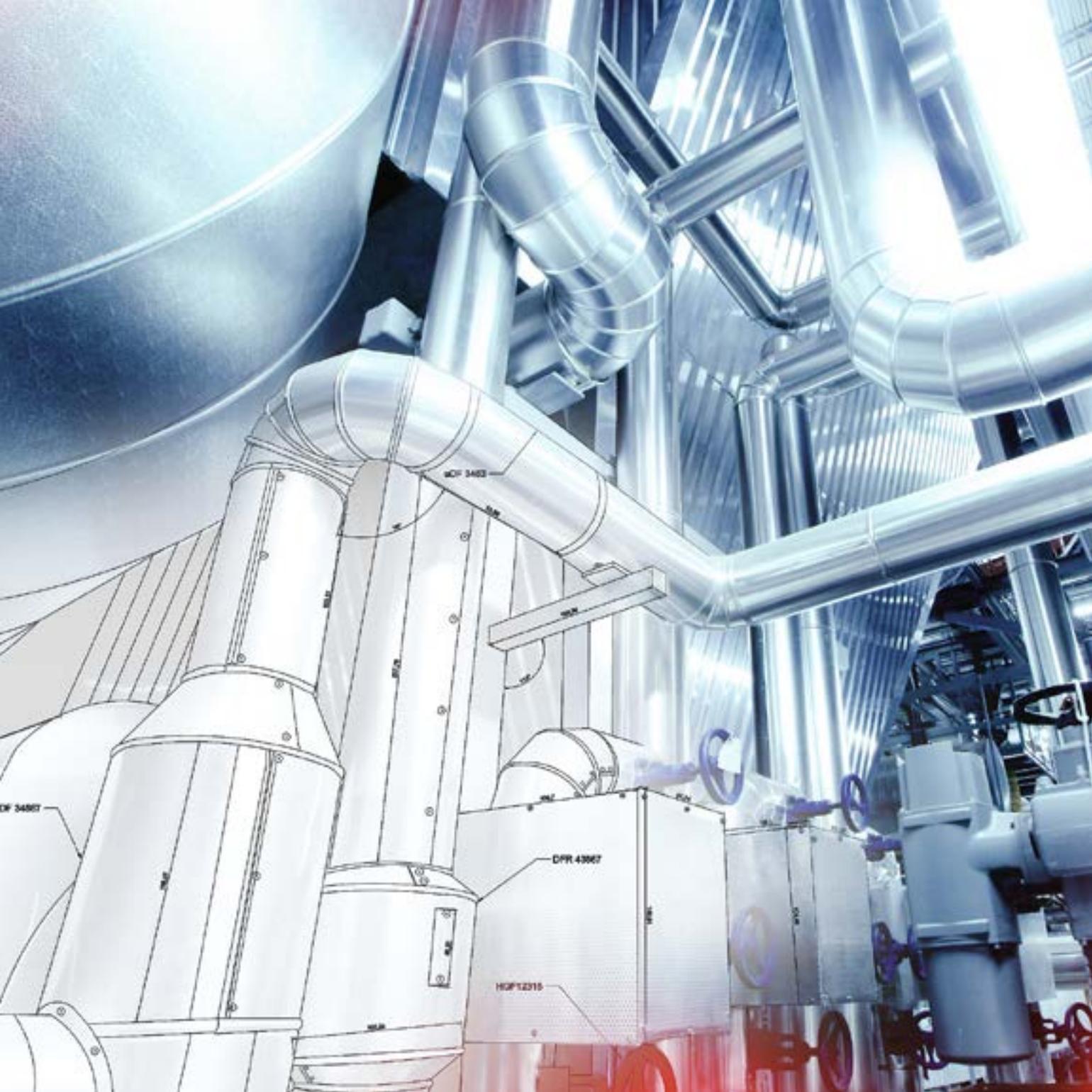
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Our 2019 catalog features publications hand-selected by AIAG leadership in Corporate Responsibility, Quality, and Supply Chain, based on industry interest. All AIAG training and certification courses, however, are referenced in the following pages. For a comprehensive list of AIAG publications, please visit [www.aiag.org/store](http://www.aiag.org/store).



HCP 3403

DPR 34007

DPR 43007

HCP 12315



## Automotive Water Benchmark

The goals of the survey is to look at current water use, identify leading practices and areas for improvement, and extend these practices to the automotive supply chain as well. The survey identified 135 aspects to benchmark for North American facilities, including metrics, assessments, management processes, and sustainability.

<b>Product Code:</b> ES-1	<b>Version:</b> 1 (2017)		
<b>Format</b>	<b>Language</b>	<b>Member Price</b>	<b>Non-Member Price</b>
Adobe PDF File	English	<b>FREE</b>	<b>FREE</b>

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## Environmental Management Systems - General Guidelines

These guidelines are applicable to any organization, regardless of size, type and nature, and applies to the environmental aspects of its activities, products and services that the organization determines it can either control or influence, considering a life cycle perspective.

Product Code: I14004-16		Version: 3 (2016)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$240.00	\$240.00

## Environmental Management Systems - Requirements of Use

ISO 14001:2015 specifies the requirements for an environmental management system that an organization can use to enhance its environmental performance. ISO 14001:2015 is intended for use by an organization seeking to manage its environmental responsibilities in a systematic manner that contributes to the environmental pillar of sustainability.

Product Code: I14001-15		Version: 3 (2015)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$173.00	\$173.00

## Ergonomic Guidelines for Small Lot Delivery Systems

This easy-to use guideline provides not only a systematic process for analyzing and evaluating musculoskeletal injury (or disorder) risk factors in Small Lot Delivery Systems (SLDS) but also recommendations for the design of material handling tasks and material handling systems. This guideline contains recommendations, not mandates, which are applicable during material handling system 'design and redesign' activities.

Product Code: OHS-5		Version: 1 (2007)/Reviewed 2015	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Guide for Conflict Minerals Reporting to the Auto Industry

Members of the Automotive Industry Action Group (AIAG) Responsible Materials Work Group developed this template assessment to unify the expected quality of supplier responses to the Conflict Minerals Reporting Template (CMRT).

Product Code: CM-3		Version: 4.2 (2016)	
Format	Language	Member Price	Non-Member Price
Adobe PDF File	English	<b>FREE</b>	<b>FREE</b>

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## Guideline for Hazardous Material Storage

The goal of this document is to protect people, property, the environment, and company assets by minimizing the risk of fires, explosions, and hazardous releases resulting from improper storage.

<b>Product Code:</b> XO-OHS-1	<b>Version:</b> 1 (2004)/Reviewed 2015		
Format	Language	Member Price	Non-Member Price
e-Document	English	<b>FREE</b>	\$116.00

## Guideline for Manually Handled Containers

This guideline provides a common approach to container design based on sound ergonomic practices and principles accounting for manual tasks, such as pushing/pulling, lifting/lowering and carrying packages and containers. Using this guideline may result in reduced risk of employee injury in the manual handling of packages and containers and increased productivity and quality.

<b>Product Code:</b> OHS-4	<b>Version:</b> 1 (2005)/Reviewed 2013		
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Industrial Truck Pedestrian Sensing Systems White Paper

This white paper addresses the requirements of a device or system, comprised of one or more components, that when installed on an industrial truck, will be capable of warning the industrial truck operator of the presence of pedestrians.

<b>Product Code:</b> OHS-12	<b>Version:</b> 1 (2013)/Reviewed 2015		
Format	Language	Member Price	Non-Member Price
Print On Demand	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Information Technology - Security Techniques

This document provides the overview of information security management systems (ISMS). It also provides terms and definitions commonly used in the ISMS family of standards. This document is applicable to all types and sizes of organization (e.g. commercial enterprises, government agencies, not-for-profit organizations).

<b>Product Code:</b> I27000-18	<b>Version:</b> 5 (2018)		
Format	Language	Member Price	Non-Member Price
Print on Demand	English	\$162.00	\$162.00

All e-Document pricing is for single user license. To purchase product as a corporate subscription, please contact (248) 358-3003, or send an email to [order\\_inquiry@aiag.org](mailto:order_inquiry@aiag.org).

## Leadership Excellence in Health Safety and the Environment

Describes what Health Safety Excellence leadership looks like and to specify a set of principles and actions that executives, managers and supervisors can take to become better HSE leaders.

Product Code: OHS-10		Version: 1 (2011)/Reviewed 2014	
Format	Language	Member Price	Non-Member Price
Print On Demand	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Pedestrian & Vehicle Safety Guidelines

This guideline addresses plant facility layouts, visual displays, and mental attitudes.

Product Code: OHS-2		Version: 2 (2011)/Reviewed 2012	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## The ABC's of GHS Compliant Safety Data Sheets & Labels

Developed by the Globally Harmonized System (GHS) work group at AIAG and the internship program at Purdue-Calumet University as sanctioned by the Chemical Management and Reporting (OHCL) Advisory committee, this easy to use reference document allows the user to develop GHS compliant Safety Data Sheets (SDS) that meet the requirements of OSHA HCS 2012. Consolidating information scattered throughout the Internet in various unrelated databases, this indispensable document covers the new SDS Formatting Requirements; converting existing Material Safety Data Sheets (MSDS) to the new GHS compliant SDS format; generating an SDS from general/public information; and assistance in creating GHS labels.

Product Code: CR-2		Version: 1 (2015)	
Format	Language	Member Price	Non-Member Price
Hardcopy & e-Document (English)	English	\$29.00	\$116.00
Hardcopy (English)	English	\$29.00	\$116.00
e-Document (English)	English	<b>FREE</b>	\$116.00

## Visibility for Lift Trucks with Loads

Based on research into visibility criteria for lift truck operators with loads, this white paper provides an in-depth look at the variables and methodologies involved in evaluating adequate visibility. In addition to introductory notes, the document outlines factors affecting forward visibility, related regulations and standards for powered industrial trucks, and potential visibility evaluation criteria, among other observations and conclusions.

Product Code: OHS-9		Version: 1.1 (2018)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00



# Corporate Responsibility TRAINING



## Advanced IMDS

This course provides an extension of the IMDS Basic Concepts and Application course, to help you understand the regulations and anticipate their impact on your business. Additionally, students will receive hands on instruction on how to utilize IMDS' more complicated features, such as Chemistry Manager, Where Used Analysis, MDS Update and MDS Request. It is recommended that students first attend the IMDS Basic Concepts and Application course prior to attending this Advanced IMDS course or have equivalent experience.

Date(s)	Time(s)	Member Price	Non-Member Price
January 18, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
March 12, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
May 21, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
August 13, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
October 28, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00

## AIAG Corporate Responsibility Assessments

The free assessments will gauge employee perception of a company's success in: 1) Championing CR/S at executive levels; 2) Integrating CR/S within the company culture; 3) Collaborating with stakeholders internal/external to the company; 4) Communicating company CR/S internally and externally

Date(s)	Time(s)	Member Price	Non-Member Price
On-line Course (anytime)	On-line Course (anytime)	<b>FREE</b>	<b>FREE</b>

\* Courses are scheduled based on demand. Contact us at [trainingcontact@aiag.org](mailto:trainingcontact@aiag.org) or (248) 358-3003 for more information.

\*\* Plexus Corp. is the Exemplar Global-Certified course provider for training at AIAG.

\*\*\* NOTE: Attendance to the entire course is required to receive a Certificate of Attendance with CEUs.

## AIAG Supply Chain Sustainability eLearning

This free on-line course highlights fundamental principles of responsible working conditions and expectations of FCA, Ford, General Motors, Honda, Toyota and Daimler and is based on the Automotive Industry Guiding Principles to Enhance Sustainability Performance in the Supply Chain. This basic overview includes the areas of Child Labor, Forced Labor, Freedom of Association, Harassment and Discrimination, Health and Safety, Wages and Benefits, and Working Hours, as well as Environmental Responsibility and Business Ethics.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line Course (anytime)	On-line Course (anytime)	FREE	FREE

## AIAG Supply Chain Sustainability Knowledge Assessment

This free on-line assessment is based on the Automotive Industry Guiding Principles to Enhance Sustainability Performance in the Supply Chain. It includes terms and knowledge common to the automotive industry and is designed to help 'on-board' employees who have been assigned to lead or champion their company's sustainability efforts.

We encourage you to take the Supply Chain Sustainability eLearning course before participating in the Knowledge Assessment.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line Course (anytime)	On-line Course (anytime)	FREE	FREE

## Course 1 - Regulations: Management and Compliance

This one-hour training course provides participants with an introduction to global chemical regulations with a focus on managing the proliferation of global environmental regulations and the importance of developing compliance strategies from product design to end-of-vehicle life.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line course (anytime)	On-line course (anytime)	FREE	\$250.00

## Course 2 - Global Product Regulation Overview

This 80-minute training course builds on course 1 providing participants with an overview of various global chemical regulations including a description of the regulation, how it applies to the automotive supplier or OEM, upcoming deadlines or actions, and important regulatory changes or activities.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line course (anytime)	On-line course (anytime)	FREE	\$350.00

## Course 3 - Management of Product Chemical Regulatory Compliance

This 4-hour interactive training course provides participants an in-depth discussion of managing global chemical regulatory compliance with specific emphasis on responsibility within functional roles, managing the supply chain, data collection, and material content reporting.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line course (anytime)	On-line course (anytime)	FREE	\$475.00

## Exemplar Global-Certified ISO 14001 EMS Lead Auditor\*\*



This in-depth course gives you the skills and tools necessary to become an effective lead auditor in your organization. Hands-on class work, exercises and case studies will prepare you to effectively run your internal audit, as well as oversee internal auditors during the course of an audit. Learn a range of internal EMS auditing skills that will help you become a strong advocate and auditor in your company's effort to obtain maximum value from your commitment to environmental issues. Gain confidence in your audit skills - from planning through reporting the results. In addition, acquire actual experience working as a member of a functioning audit team during the course. This course is certified by Exemplar Global and meets the training portion of the requirements for certification of individual QMS auditors.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
January 28 - February 1, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.60
August 5-9, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.60

## IMDS Basic Concepts and Application



This instructor-led course is designed to ensure users are familiar with all aspects of the IMDS system. Students will receive hands on instructions on how to build, receive and submit data related to ongoing customer requests. All basic concepts will be reviewed in detail providing students with confidence to function competently in the IMDS system.

Date(s)	Time(s)	Member Price	Non-Member Price
January 17, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
February 13, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
March 11, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
April 29, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
May 20, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
June 24, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
August 12, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
September 18, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
October 28, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
November 18, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00

### Explanation of Symbols



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Online Registration



E-learning/E-Training



International

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\*\* Plexus Corp. is the Exemplar Global-Certified course provider for training at AIAG.

\*\*\* NOTE: Attendance to the entire course is required to receive a Certificate of Attendance with CEUs.

## ISO 14001 EMS Understanding and Internal Auditing

Learn a range of internal EMS auditing skills that will help you become a strong advocate and auditor in your company's effort to obtain maximum value from your commitment to environmental issues. Gain confidence in your audit skills - from planning through reporting the results. Acquire actual experience working as a member of a functioning audit team during the course.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
March 18-20, 2019	8:00 AM - 5:00 PM	\$995.00	\$1,195.00	2.40
July 22-24, 2019	8:00 AM - 5:00 PM	\$995.00	\$1,195.00	2.40
November 4-6, 2019	8:00 AM - 5:00 PM	\$995.00	\$1,195.00	2.40

## On the Job With GHS eLearning

This 90-minute eLearning course provides GHS Training, addressing Hazard Communication changes in the Workplace. Students will learn about hazard communication tools, such as SDS and labels, and about what GHS is and how it will affect them in the workplace. Emphasis will be placed on interpretation of labels and label elements, including GHS symbols, signal word, hazard statements, and precautionary statements.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line course (anytime)	On-line course (anytime)	\$40.00	\$60.00



### Supply Chain Sustainability eLearning & Knowledge Assessment

Globalization of the automotive industry has led to the development of increasingly complex supply chains. Understanding and managing potential risks has become a strategic priority for the industry. AIAG's member companies are working together to reaffirm our commitment to doing business in an ethical and responsible way to benefit workers, communities and the environment.

The AIAG Supply Chain Sustainability eLearning and AIAG Supply Chain Sustainability Knowledge Assessment are two of the tools you need to manage risk in your organization!

Visit <http://bit.ly/aiagSCsustainability> for more information.

# FUTURE OF CORPORATE RESPONSIBILITY

## SURVEY RESULTS & SELF-ASSESSMENTS

It all began with a question: What corporate responsibility and sustainability (CR/S) issues will the automotive industry encounter over the next decade?

Based on this inquiry, we launched a multipart research project to explore how current and emerging CR/S trends will impact the future of automotive – both for individual organizations, and the industry as a whole.

The “Corporate Responsibility in a Transitioning Industry” report is the end result of these efforts. Within its pages, we offer the most relevant data points, key takeaways and calls to action to inform and support your organization’s CR/S programs and practices.

### CORPORATE RESPONSIBILITY IN A TRANSITIONING INDUSTRY:

An Automotive Supply Chain Perspective



AIAG

**To download the report, please visit [www.aiag.org/cr-futures](http://www.aiag.org/cr-futures)**

Begin your journey by downloading and reading our report. Then, assess your organization’s current CR/S strengths using our short and simple self-assessments.

The free assessments will gauge employee perception of a company’s success in:

1. Championing CR/S at executive levels;
2. Integrating CR/S within the company culture;
3. Collaborating with stakeholders internal/external to the company;
4. Communicating company CR/S internally and externally

**To start your assessments, please visit [bit.ly/AIAGCRassessments](http://bit.ly/AIAGCRassessments)**



**MATHS**

**PRACTICE**



## Advanced Product Quality Planning and Control Plan (APQP)

The APQP manual provides guidelines for creating a product quality plan that supports the design and development of products that meet or exceed customer requirements. Now the standard across many manufacturing sectors, APQP defines the required inputs and outputs of each stage of the product development process.

Product Code: APQP		Version: 2 (2008)	
Format	Language	Member Price	Non-Member Price
e-Document & Hardcopy Kit	English	\$45.00	\$225.00
e-Document & Hardcopy Kit	Spanish	\$45.00	\$225.00
Hardcopy	English	\$30.00	\$150.00
Hardcopy	Spanish	\$30.00	\$150.00
e-Document	Chinese	\$30.00	\$150.00
e-Document	English	\$30.00	\$150.00
e-Document	Japanese	\$30.00	\$150.00
e-Document	Korean	\$30.00	\$150.00
e-Document	Portuguese	\$30.00	\$150.00
e-Document	Russian	\$30.00	\$150.00
e-Document	Spanish	\$30.00	\$150.00
e-Document	Thai	\$30.00	\$150.00

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## Automotive Warranty Management Guideline

Guideline drives consumer satisfaction and warranty improvement by providing a robust warranty management program. The guideline provides an assessment tool, and No Trouble Found case studies to guide an organization to pro-actively reduce warranty incident rates associated with warranty events.

Product Code: CQI-14		Version: 3, 2nd printing (2018)	
Format	Language	Member Price	Non-Member Price
e-Document & Hardcopy Kit with Downloadable Assessment	English	\$103.50	\$414.00
Hardcopy with Downloadable Assessment	English	\$69.00	\$276.00
e-Document with Downloadable Assessment	English	\$69.00	\$276.00

## Cost of Poor Quality Guide

Most companies typically waste up to 35% of their operating budgets doing things less efficiently than possible or by failing to capitalize on opportunities. The Cost of Poor Quality Guide will help you identify and quantify where inefficiencies exist, effectively communicate these deficiencies to upper management, and prioritize the actions needed for immediate operational improvement and reduction in variance.

Product Code: CQI-22		Version: 1 (2012)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$29.00
e-Document	English	\$29.00	\$29.00

## Design Review Based on Failure Modes (DRBFM Reference Guide)

The DRBFM Reference Guide provides guidance and examples of procedures on how the technical risk can be represented and addressed to ensure the revised design meets quality and customer expectations. The DRBFM aligns with the SAE J2886 DRBFM Recommended Practice. The SAE document describes the basic principles and processes of DRBFM.

Product Code: CQI-24		Version: 1 (2014)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$49.00	\$196.00
e-Document	English	\$49.00	\$196.00
e-Document & Hardcopy Kit	English	\$73.50	\$294.00

## Design Review Based on Failure Modes (CQI-24) & SAE J2886 Kit

This kit contains a copy of both the DRBFM and SAE J2886. The DRBFM Reference Guide is intended to provide information and examples of procedures to implement DRBFM proficiency expectations at all levels of engineering and management. The SAE document describes the basic principles and processes of DRBFM.

**Product Code:** SAEJ2886-K

Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$94.00	\$241.00
e-Document	English	\$94.00	\$241.00

## ECM Recommendation - Engineering Change Request (ECR)

Provides an overview of the fundamental principles and key phases of the ECR reference process.

**Product Code:** D-30

**Version:** 1 (2009)

Format	Language	Member Price	Non-Member Price
e-Document	English	<b>FREE</b>	\$116.00
Downloadable File	English	\$29.00	\$116.00

## Effective Error-Proofing

Comprehensive guideline on how to implement change within an organization by moving away from detection oriented quality practices, toward a culture of zero error.

**Product Code:** CQI-18

**Version:** 1 (2011)

Format	Language	Member Price	Non-Member Price
e-Document & Hardcopy Kit w/ Downloadable Assessment	English	\$73.50	\$294.00
Hardcopy w/Downloadable Assessment	English	\$49.00	\$196.00
e-Document w/Downloadable Assessment	English	\$49.00	\$196.00

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## Effective Problem Solving Guide

Does your organization need help eliminating repeat problems and implementing sustainable improvements in your products or processes? This guideline supports organizational efforts to develop and implement a robust problem solving process that will improve problem descriptions, team member participation, qualitative methods for problem solving, and the ability to prioritize, analyze and review concerns, as well as ensure that steps are not skipped.

Product Code: CQI-20-2		Version: 2 (2018)	
Format	Language	Member Price	Non-Member Price
e-Document & Hardcopy Kit	English	\$73.50	\$294.00
Hardcopy with Downloadable Assessment	English	\$49.00	\$196.00
e-Document	English	\$49.00	\$196.00

## Engineering Change Management (ECM) Recommendation

A global recommendation on Management Strategies for Engineering Changes.

Product Code: D-29		Version: 1 (2009)	
Format	Language	Member Price	Non-Member Price
e-Document	English	FREE	\$116.00
Downloadable File	English	\$29.00	\$116.00

## Engineering Change Management (ECM) Reference Process

Reference document that supports AIAG's D-29 (Engineering Change Management Recommendation) and D-30 (ECM Recommendation - Engineering Change Request), Engineering Change Management Documents.

Product Code: D-26		Version: 1 (2009)	
Format	Language	Member Price	Non-Member Price
White Paper	English	\$29.00	\$116.00

## FMEA for Tooling & Equipment (Machinery FMEA)

This manual supports the machinery (the term machinery as used in this manual applies to tooling and equipment also) design process from design development through design approval.

Product Code: MFMEA		Version: 2 (2012)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$30.00	\$90.00
e-Document	English	\$30.00	\$90.00

## General Requirements for the Competence of Testing

Specifies the general requirements for the competence, impartiality and consistent operation of laboratories. This standard is applicable to all organizations performing laboratory activities, regardless of the number of personnel. Laboratory customers, regulatory authorities, organizations and schemes using peer-assessment, accreditation bodies, and others use ISO/IEC 17025:2017 in confirming or recognizing the competence of laboratories.

<b>Product Code:</b> I17025-17	<b>Version:</b> 3 (2017)		
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$162.00	\$162.00

## Guidelines for Auditing Management Systems

Provides guidance on auditing management systems, including the principles of auditing, managing an audit program and conducting management system audits, as well as guidance on the evaluation of competence of individuals involved in the audit process. These activities include the individual(s) managing the audit program, auditors and audit teams. It is applicable to all organizations that need to plan and conduct internal or external audits of management systems or manage an audit program.

<b>Product Code:</b> I19011-18	<b>Version:</b> 3 (2018)		
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$185.00	\$185.00



## FREE Core Tools Self-Assessment

AIAG has developed a free online survey to test basic competency in the automotive quality Core Tools, e.g. APQP/PPAP, FMEA, MSA and SPC, which you can use to baseline your organization's and/or your suppliers' competency.

The questions reflect information that everyone in automotive quality today should know and was developed with the required knowledge for third-party IATF 16949 auditors as an input. Results can be used 1) to verify the effectiveness of your quality Core Tools training, 2) for supplier development, e.g. Tier 2, and 3) to develop individual or group improvement plans.

**To start your assessment, visit: <http://bit.ly/coretoolsSA>**

All e-Document pricing is for single user license. To purchase product as a corporate subscription, please contact (248) 358-3003, or send an email to [order\\_inquiry@aiag.org](mailto:order_inquiry@aiag.org).

## IATF 16949

This standard, coupled with the applicable customer-specific requirements, defines the quality management system requirements for automotive production, service and/or accessory parts. IATF 16949:2016 is an autonomous QMS standard that is fully aligned with the structure and requirements of ISO 9001:2015. However, it is not a stand-alone document, but is implemented as a supplement to, and in conjunction with, ISO 9001:2015, which must be purchased separately. This revised standard cancels and replaces ISO/TS 16949:2009.

Product Code: IATF-1		Version: 1 (2016)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$30.00	\$150.00
Hardcopy	Chinese	\$30.00	\$150.00
Hardcopy	Japanese	\$30.00	\$150.00
Hardcopy	Spanish	\$30.00	\$150.00
Hardcopy	Thai	\$30.00	\$150.00
Hardcopy and e-Document Kit	English	\$45.00	\$225.00
Hardcopy (Handbook Size - Dim: 5.75x7.5)	English	\$30.00	\$150.00
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## IATF 16949 RULES for Certification Scheme

This document contains the Rules for achieving and maintaining IATF recognition related to IATF 16949. Now in its 5th Edition, the document is commonly referred to as "Rules 5th". It includes the criteria for certification body recognition, certification body audit process, certification body auditor qualifications, and IATF 16949 certificates. This document replaces "Rules 4th Edition" and encompasses previous Sanctioned Interpretations and Rules related Frequently Asked Questions (FAQ's) issued by the IATF prior to the release of this document.

Product Code: RULES-5		Version: 5 (2016)	
Format	Language	Member Price	Non-Member Price
Hardcopy (Handbook Size - Dim: 5.75x7.5)	English	\$30.00	\$150.00
e-Document & Hardcopy Kit	English	\$45.00	\$225.00
Hardcopy	English	\$30.00	\$150.00
e-Document	English	\$30.00	\$150.00
e-Document	Korean	\$30.00	\$150.00
e-Document	Portuguese	\$30.00	\$150.00
e-Document	Spanish	\$30.00	\$150.00

## IATF 16949:2016 Memory Jogger

The IATF 16949 Memory Jogger is a reference to answer many questions regarding IATF 16949:2016 and its background, rules, and implementation/maintenance strategies. Concepts are presented in a brief, focused format that discusses IATF 16949 clauses in conversational language. The Guide is applicable to employees at all levels of an IATF 16949 certified organization.

Product Code: IATFMD(P)-1		Version: 1 (2017)	
Format	Language	Member Price	Non-Member Price
Hardcopy (Desktop Guide - Dim: 5"x7")	English	\$25.95	\$30.95
Hardcopy (Pocket Size - Dim: 3.5" x 5.5")	English	\$20.95	\$25.95

## IATF Auditor Guide for IATF 16949

The purpose of this Guide is to define the logical activities and required auditor competencies in the IATF 16949 audit process. The Guide amplifies the RULES 5th Edition and should be understood in conjunction with RULES 5th Edition.

Product Code: TSG-3		Version: 3 (2017)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$30.00	\$90.00
e-Document	English	\$30.00	\$90.00

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## ISO 9001:2015 QMS - Requirements

ISO 9001:2015 specifies requirements for a quality management system when an organization needs to demonstrate its ability to consistently provide products and services that meet customer and applicable statutory and regulatory requirements. This guide aims to enhance customer satisfaction through the effective application of the system, including processes for improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.

<b>Product Code:</b> I9001-15		<b>Version:</b> 5 (2015)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$173.00	\$173.00

## Layered Process Audit Guideline

This guideline will help you utilize layered process audits as a tool to drive a culture of accountability, process control, and continuous improvement. The CQI-8 is designed to provide a common framework of the definitions and standard approaches that can be adopted by any organization to effectively implement layered process audits.

<b>Product Code:</b> CQI-8		<b>Version:</b> 2 (2014)	
Format	Language	Member Price	Non-Member Price
e-Document & Hardcopy Kit	English	\$43.50	\$174.00
Hardcopy	English	\$29.00	\$116.00
e-Document	English	\$29.00	\$116.00

## MBE Wallchart

The AIAG MBE Roadmap Wallchart provides companies, their partners, and suppliers a visual means to assess current capabilities and measure their progress from a Level 1- 2D drawing centric environment towards a comprehensive Level 4 - "Model Based Enterprise". The Wall Chart identifies the key aspects of drawing/model usage to determine your current MBE level, and highlights where to focus to make the transition to the next level. Achieving the transition to full MBE performance will enable the industry to realize greater product compliance AND much leaner operations, initially through drawing elimination and ultimately through reuse and delivery of complete, in-context product definition to critical operations and processes.

<b>Product Code:</b> D-38		<b>Version:</b> 1 (2016)	
Format	Language	Member Price	Non-Member Price
Wallchart	English	\$15.00	\$20.00

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## Measurement Systems Analysis

Measurement data is used in nearly every manufacturing process. As the quality of the data improves, the quality of decisions improves. This guide will help you assess the quality of your measurement systems, providing a basis for recognizing where improvements can be made. The result is knowledge that can be used to improve your measurement process, in turn improving repeatable product quality.

Product Code: MSA-4	Version: 4 (2010)		
Format	Language	Member Price	Non-Member Price
e-Document & Hardcopy Kit	English	\$45.00	\$225.00
e-Document & Hardcopy Kit	Spanish	\$45.00	\$225.00
Hardcopy	English	\$30.00	\$150.00
Hardcopy	Spanish	\$30.00	\$150.00
e-Document	Chinese	\$30.00	\$150.00
e-Document	Czech	\$30.00	\$150.00
e-Document	English	\$30.00	\$150.00
e-Document	Japanese	\$30.00	\$150.00
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e-Document	Spanish	\$30.00	\$150.00
e-Document	Thai	\$30.00	\$150.00

## Model Based Enterprise White Paper

The automotive industry is expanding the use of 3D CAD systems and related technology from engineering and product design to tooling, process development, manufacturing, quality and other downstream business areas. This white paper describes the current state of MBE in the automotive industry and will focus on promoting the implementation of the 3D-MBD model to enable seamless sharing of product information within the automotive industry.

Product Code: XO-D-39	Version: 1 (2017)		
Format	Language	Member Price	Non-Member Price
e-Document	English	FREE	\$19.99

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## PMBOK Guide - Sixth Edition + Agile Practice Guide

New to the Sixth Edition, each knowledge area will contain a section entitled Approaches for Agile, Iterative and Adaptive Environments, describing how these practices integrate in project settings. It will also contain more emphasis on strategic and business knowledge, including discussion of project management business documents, and information on the PMI Talent Triangle and the essential skills for success in today's market.

Please Note: The PMBOK Guide – Sixth Edition and Agile Practice Guide were created to complement each other. Together these two publications are a powerful tool that enable the right approach for the right project. When you order the PMBOK Guide – Sixth Edition (in English) you will receive a complimentary copy of the Agile Practice Guide.

Product Code: PMBOK-6		Version: 6 (2017)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$60.00	\$90.00

## Potential Failure Mode & Effects Analysis

In order to achieve the greatest quality in manufacturing, potential failures must be identified before they occur. This industry-wide reference manual clarifies questions concerning the technical development of both Design and Process FMEAs.

Product Code: FMEA-4		Version: 4 (2008)	
Format	Language	Member Price	Non-Member Price
e-Document & Hardcopy Kit	English	\$45.00	\$225.00
e-Document & Hardcopy Kit	Spanish	\$45.00	\$225.00
Hardcopy	English	\$30.00	\$150.00
Hardcopy	Spanish	\$30.00	\$150.00
e-Document	Chinese	\$30.00	\$150.00
e-Document	English	\$30.00	\$150.00
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## Production Part Approval Process

Ensure your suppliers understand the processes required to produce parts with consistent quality during an actual production run at production rates. PPAP is the industry standard for defining the production part approval process to ensure engineering design record and specification requirements are consistently met.

Product Code: PPAP-4		Version: 4 (2006)	
Format	Language	Member Price	Non-Member Price
e-Document & Hardcopy Kit	English	\$45.00	\$225.00
e-Document & Hardcopy Kit	Spanish	\$45.00	\$225.00
Hardcopy	English	\$30.00	\$150.00
Hardcopy	Spanish	\$30.00	\$150.00
e-Document	Chinese	\$30.00	\$150.00
e-Document	English	\$30.00	\$150.00
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## Road Vehicles - Functional Safety - Parts 1-10

ISO 26262 is an international functional safety standard for electrical and electronic components in production automobiles. The standard is divided into ten parts with each section focusing on one topic.

<b>Part 1: Vocabulary</b> Product Code: I26262-1-11		Version: 1 (2011)	
<b>Format</b>	<b>Language</b>	<b>Member Price</b>	<b>Non-Member Price</b>
Hardcopy (Print on Demand)	English	\$139.00	\$139.00
<b>Part 2: Management of Functional Safety</b> Product Code: I26262-2-11		Version: 1 (2011)	
<b>Format</b>	<b>Language</b>	<b>Member Price</b>	<b>Non-Member Price</b>
Hardcopy (Print on Demand)	English	\$149.00	\$149.00
<b>Part 3: Concept Phase</b> Product Code: I26262-3-11		Version: 1 (2011)	
<b>Format</b>	<b>Language</b>	<b>Member Price</b>	<b>Non-Member Price</b>
Hardcopy (Print on Demand)	English	\$149.00	\$149.00
<b>Part 4: Product Development at the System Level</b> Product Code: I26262-4-11		Version: 1 (2011)	
<b>Format</b>	<b>Language</b>	<b>Member Price</b>	<b>Non-Member Price</b>
Hardcopy (Print on Demand)	English	\$180.00	\$180.00
<b>Part 5: Product Development at the Hardware Level</b> Product Code: I26262-5-11		Version: 1 (2011)	
<b>Format</b>	<b>Language</b>	<b>Member Price</b>	<b>Non-Member Price</b>
Hardcopy (Print on Demand)	English	\$240.00	\$240.00
<b>Part 6: Product Development at the Software Level</b> Product Code: I26262-6-11		Version: 1 (2011)	
<b>Format</b>	<b>Language</b>	<b>Member Price</b>	<b>Non-Member Price</b>
Hardcopy (Print on Demand)	English	\$180.00	\$180.00

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<b>Part 7: Production and Operation</b> <b>Product Code:</b> I26262-7-11	<b>Version:</b> 1 (2011)		
<b>Format</b>	<b>Language</b>	<b>Member Price</b>	<b>Non-Member Price</b>
Hardcopy (Print on Demand)	English	\$99.00	\$99.00
<b>Part 8: Supporting Processes</b> <b>Product Code:</b> I26262-8-11	<b>Version:</b> 1 (2011)		
<b>Format</b>	<b>Language</b>	<b>Member Price</b>	<b>Non-Member Price</b>
Hardcopy (Print on Demand)	English	\$199.00	\$199.00
<b>Part 9: Automotive Safety Integrity Level (ASIL)-Oriented and Safety-Oriented Analyses</b> <b>Product Code:</b> I26262-9-11	<b>Version:</b> 1 (2011)		
<b>Format</b>	<b>Language</b>	<b>Member Price</b>	<b>Non-Member Price</b>
Hardcopy (Print on Demand)	English	\$114.00	\$114.00
<b>Part 10: Guideline on ISO 26262</b> <b>Product Code:</b> I26262-10-12	<b>Version:</b> 1 (2012)		
<b>Format</b>	<b>Language</b>	<b>Member Price</b>	<b>Non-Member Price</b>
Hardcopy (Print on Demand)	English	\$259.00	\$259.00

## SASIG Long Term Archiving & Retrieval of Digital Product

This document addresses the set of process recommendations. In particular, this document aims to provide a company with the key activities, inputs, outputs, controls and mechanisms needed to fully support the long term archiving and retrieval of product definition information. If your company is developing products using 3D models, and asking for models and digital product data from your suppliers, then this LTAR Process Recommendation is a must read.

<b>Product Code:</b> D-37	<b>Version:</b> 1 (2015)		
<b>Format</b>	<b>Language</b>	<b>Member Price</b>	<b>Non-Member Price</b>
e-Document & Hardcopy Kit	English	\$29.00	\$174.00
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

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## SASIG Long Term Archiving and Retrieval (LTAR)

This document contains an assessment of the current state of LTAR and the future vision within the auto industry. Includes the necessary tools to identify tasks, deliverables, and work stream timelines for projects.

Product Code: D-34		Version: 1 (2011)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Service Production Part Approval Process (Service PPAP)

This document identifies PPAP requirements for all service parts. These requirements are intended to be clarifications to the PPAP process for service parts and not additional requirements.

Product Code: SVPPAP-1		Version: 1 (2014)	
Format	Language	Member Price	Non-Member Price
e-Document & Hardcopy Kit	English	\$45.00	\$135.00
Hardcopy	English	\$30.00	\$90.00
e-Document	English	\$30.00	\$90.00

## SPC Quick Start Guide

Suppliers have struggled in the past with quickly finding answers to their SPC-related questions because of the full SPC Manual's size and detail. The SPC QSG helps suppliers easily find and understand how to apply the most necessary methodologies. The SPC QSG synthesizes the key information from the SPC Manual down to its core, focusing the new guideline on what is critical and necessary. The Quick Start Guide also designates the levels of importance for different methodologies, so suppliers can prioritize their SPC deployment activities.

Product Code: CQI-25		Version: 1 (2015)	
Format	Language	Member Price	Non-Member Price
e-Document & Hardcopy Kit	English	\$73.50	\$294.00
Hardcopy	English	\$49.00	\$196.00
e-Document	English	\$49.00	\$196.00

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## SPC Short Run Supplement

This guideline was developed to address the particular uniqueness of short run production, where suppliers do not have the production volume to readily apply the approaches identified in the SPC Reference Manual, 2nd Edition. Providing easy to understand examples of commonly used short run charts, the SPC Short Run Supplement is a guideline used to analyze, monitor and control process that do not satisfy the sampling requirements of standard SPC charts.

Product Code: CQI-26	Version: 1 (2016)		
Format	Language	Member Price	Non-Member Price
e-Document & Hardcopy Kit	English	\$73.50	\$294.00
Hardcopy	English	\$49.00	\$196.00
e-Document	English	\$49.00	\$196.00

## Special Process: Casting System Assessment 2nd Edition

The CQI-27 Special Process: Casting System Assessment provides requirements for foundry suppliers of OEM automotive castings. It is a collective effort by OEM and Tier 1 customers to create common process requirements for foundries, requirements which our shared experiences tell us will benefit the foundry industry for their OEM automotive customers. The document comes with an Excel file to complete as part of the assessment.

Product Code: CQI-27	Version: 2 (2018)		
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$69.00	\$276.00
e-Document	English	\$69.00	\$276.00
Hardcopy & e-Document	English	\$103.50	\$414.00



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## Special Process: Coating System Assessment

Learn the process requirements your organization needs to follow to develop a coating management system that provides for continual improvement, emphasizing defect prevention and the reduction of variation and waste in the supply chain. This manual includes a Downloadable Assessment which contains the forms to complete the assessment.

Product Code: CQI-12		Version: 2 (2012)	
Format	Language	Member Price	Non-Member Price
Print On Demand	Portuguese	\$69.00	\$276.00
Hardcopy	English	\$69.00	\$276.00
e-Document & Hardcopy Kit	English	\$103.50	\$414.00
e-Document	English	\$69.00	\$276.00
e-Document	Portuguese	\$69.00	\$276.00

## Special Process: Heat Treat System Assessment

Development of a heat treat management system that provides for continual improvement, emphasizing defect prevention and the reduction of variation and waste in the supply chain. Manual includes a Downloadable Assessment with heat treat system assessment worksheets.

Product Code: CQI-9		Version: 3 (2011)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$69.00	\$276.00
Hardcopy	German	\$69.00	\$276.00
e-Document & Hardcopy Kit	English	\$103.50	\$414.00
e-Document	English	\$69.00	\$276.00
e-Document	German	\$69.00	\$276.00
e-Document	Korean	\$69.00	\$276.00

## Special Process: Molding System Assessment

AIAG's Molding System Assessment is a common process approach to control molding processes and a methodology to evaluate and remediate current processes. It also provides best practices for continual improvement, emphasizing defect prevention and the reduction of variation and waste in the supply chain, and includes a Downloadable Assessment with forms to complete the assessment.

Product Code: CQI-23		Version: 1 (2014)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$69.00	\$276.00
e-Document & Hardcopy Kit	English	\$103.50	\$414.00
e-Document	English	\$69.00	\$276.00

## Special Process: Plating System Assessment

Learn the process requirements your organization needs to follow to develop a plating management system that provides for continual improvement, emphasizing defect prevention and the reduction of variation and waste in the supply chain. This manual includes a Downloadable Assessment which contains the forms to complete the assessment

Product Code: CQI-11	Version: 2 (2012)		
Format	Language	Member Price	Non-Member Price
Print On Demand (	Portuguese	\$69.00	\$276.00
Print On Demand	Spanish	\$69.00	\$276.00
Hardcopy	English	\$69.00	\$276.00
e-Document	English	\$69.00	\$276.00
e-Document	Korean	\$69.00	\$276.00
e-Document	Portuguese	\$69.00	\$276.00
e-Document	Spanish	\$69.00	\$276.00

## Special Process: Soldering System Assessment

Learn the process requirements your organization needs to follow to develop a soldering management system that provides for continual improvement, emphasizing defect prevention and the reduction of variation and waste in the supply chain. Application of this process will allow you to meet regulatory requirements and identify areas of improvement while enhancing customer satisfaction. This manual includes a downloadable assessment with forms to complete the assessment.

Product Code: CQI-17	Version: 1 (2010)		
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$69.00	\$276.00
e-Document & Hardcopy Kit	English	\$103.50	\$414.00
e-Document	English	\$69.00	\$276.00

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## Special Process: Welding System Assessment

Learn the process requirements your organization needs to follow to develop a weld management system that provides for continual improvement, emphasizing defect prevention and the reduction of variation and waste in the supply chain. Application of this process will allow you to meet regulatory requirements and identify areas of improvement while enhancing customer satisfaction. This manual includes a downloadable assessment with forms to complete the assessment.

Product Code: CQI-15		Version: 1 (2010)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$69.00	\$276.00
e-Document & Hardcopy Kit	English	\$103.50	\$414.00
e-Document	English	\$69.00	\$276.00

## Statistical Process Control

Continuous improvement is vital to prospering in today's economy. This guide provides several basic and advanced statistical methods that can be used to make your manufacturing improvements more effective, resulting in products and services that improve value to both you and your customer.

Product Code: SPC-3		Version: 2 (2005)	
Format	Language	Member Price	Non-Member Price
e-Document & Hardcopy Kit	English	\$45.00	\$225.00
e-Document & Hardcopy Kit	Spanish	\$45.00	\$225.00
Hardcopy	English	\$30.00	\$150.00
Hardcopy	Spanish	\$30.00	\$150.00
e-Document	English	\$30.00	\$150.00
e-Document	Japanese	\$30.00	\$150.00
e-Document	Korean	\$30.00	\$150.00
e-Document	Russian	\$30.00	\$150.00
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## Sub-tier Supplier Management Process Guideline

Improve product quality and lower cost with the Sub-Tier Supplier Management Process Guideline. Developed to address common issues in the industry, this guideline defines the minimum quality-related requirements for Sub-Tier suppliers and provides explicit guidance on effective identification and control of Pass Through Characteristics (PTC). It also defines the minimum content for use in an organization's supplier risk and quality system assessments, and lists qualifications for supplier development "coaches", resulting in higher quality and lower cost to all members of the supply chain.

Product Code: CQI-19		Version: 1 (2012)	
Format	Language	Member Price	Non-Member Price
e-Document & Hardcopy Kit	English	\$73.50	\$294.00
Hardcopy	English	\$49.00	\$196.00
e-Document	English	\$49.00	\$196.00

## Sub-tier Supplier Management Process, Readiness Checklist

This free Readiness Checklist is a tool for management to use to assess their organization's compliance with the aligned AIAG CQI-19 performance expectations.

<b>Product Code:</b> CQIA-19	<b>Version:</b> 1, 2nd Printing (2016)		
Format	Language	Member Price	Non-Member Price
Adobe PDF	English	<b>FREE</b>	<b>FREE</b>

## Supplier & Product Reliability Assurance

A comprehensive set of reliability tools and process to manage product development and supplier assessment.

<b>Product Code:</b> D-32	<b>Version:</b> 1 (2011)		
Format	Language	Member Price	Non-Member Price
Downloadable File	English	\$29.00	\$116.00

## Supplier Electronic Network Connectivity

Document identifies existing/emerging telecommunication and network options, including: verify/summarize current OEM supply chain management business processes, and EDI and CAD/CAE/CAM connectivity requirements/specifications.

<b>Product Code:</b> D-33	<b>Version:</b> 1 (2011)		
Format	Language	Member Price	Non-Member Price
Hardcopy (Print on Demand)	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00



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AIAG's credit-based training program provides an added value for your training investment. Through on-site or open enrollment courses, you can earn college credit for IATF 16949:2016, Quality Core Tools, and ISO/IEC 17025-related courses. The academic credits can be applied at most colleges and universities toward higher education degrees. This is the first program of its kind for automotive quality training.

Academic credits are issued by Riverland Community College, accredited by the Higher Learning Commission. To be eligible for academic credits, you must successfully complete each course.

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## Traceability

Traceability provides product visibility throughout the supply chain, greatly reducing the amount of product and/or vehicles needing recall due to a non-conformance. AIAG's Traceability Guideline is a single, consistent application guideline for traceability, highlighting best practices and showcasing applications/case studies of the latest technology solutions. The Guideline includes a Traceability Self-Assessment and Traceability Fire Drill forms to identify and verify the effectiveness of an organization's traceability system.

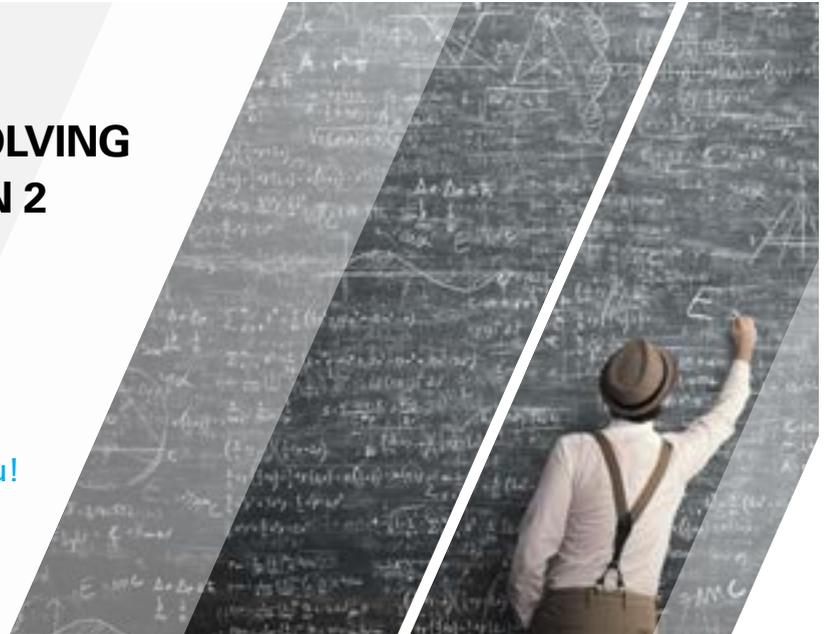
Product Code: CQI-28		Version: 1 (2018)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$49.00	\$196.00
e-Document	English	\$49.00	\$196.00

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## EFFECTIVE PROBLEM SOLVING GUIDE (CQI-20), VERSION 2

If your organization needs help eliminating repeat problems and implementing sustainable improvements in processes or products, this document is for you!

[bit.ly/CQI20ProblemSolving](http://bit.ly/CQI20ProblemSolving)





# Quality Management TRAINING

## Advanced IMDS

The growing concern regarding substance uses in products, its recycling or disposal has created a lot of legislations and global actions in the last years. Providing excellent quality material declaration data to your customers requires a thorough understanding of these regulations. Professionals must be prepared for the impact of these requirements on the future of their business. This course provides an extension of the IMDS Basic Concepts and Application course, to help you understand the regulations and anticipate their impact on your business. Additionally, students will receive hands on instruction on how to utilize IMDS' more complicated features, such as Chemistry Manager, Where Used Analysis, MDS Update and MDS Request. It is recommended that students first attend the IMDS Basic Concepts and Application course prior to attending this Advanced IMDS course or have equivalent experience.

Date(s)	Time(s)	Member Price	Non-Member Price
January 18, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
March 12, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
May 21, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
August 13, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
October 28, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00

### Explanation of Symbols



Certificate Awarded



College Credit Available



On-site Available



Self Assessment



Online Registration



E-learning/E-Training



International

\* Courses are scheduled based on demand. Contact us at [trainingcontact@aiag.org](mailto:trainingcontact@aiag.org) or (248) 358-3003 for more information.

\*\* Plexus Corp. is the Exemplar Global-Certified course provider for training at AIAG.

\*\*\* NOTE: Attendance to the entire course is required to receive a Certificate of Attendance with CEUs.

## Advanced Product Quality Planning & Control Plan (APQP)

Avoid confusion or misinterpretation of automotive requirements with a clear understanding of advanced product quality planning (APQP) and how it relates to IATF 16949. Run step-by-step through APQP and learn about the FCA, Ford Motor Co., and General Motors Co. common requirements and what you need to do to achieve compliance with the guidelines for product quality planning and the preparation of control plans. This class provides an overview of the tools, procedures and reporting requirements specified in the Advanced Product Quality Planning and Control Plan reference manual.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
March 4, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
June 3, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
August 26, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
November 4, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80

## Applied SPC and MSA for Practitioners

Improve your understanding of the integration of statistical process control (SPC) and measurement systems analysis (MSA) into IATF 16949 and discover how to develop a higher quality process control system by selecting and applying the appropriate statistical tools. The goal is to illustrate how these techniques can be incorporated into a system to provide for not only process improvement, but also product improvement.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
March 25-27, 2019	8:00 AM - 5:00 PM	\$900.00	\$1,100.00	2.30
September 9-11, 2019	8:00 AM - 5:00 PM	\$900.00	\$1,100.00	2.30

## APQP How-To Workshop

Gain the skills to effectively implement an Advanced Product Quality Planning & Control Plan (APQP). This activity-based course will teach you about APQP tools and the linkage between process flow charts, Failure Mode and Effects Analysis (FMEA), control plans and Production Part Approval Process (PPAP).

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
March 11-12, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
September 16-17, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50

## APQP/PPAP Certification Exam

Certification by AIAG in APQP/PPAP verifies an individual's proficiency in product quality planning and control plan guidelines, and PPAP submittal requirements as defined in the APQP and PPAP reference manuals. The individual is able to apply and communicate them, and as a result, can support the development of a product that will increase customer satisfaction.

Date(s)	Time(s)	Member Price	Non-Member Price
March 4, 2019	8:00 AM - 12:00 PM	\$295.00	\$395.00
July 23, 2019	8:00 AM - 12:00 PM	\$295.00	\$395.00
October 29, 2019	8:00 AM - 12:00 PM	\$295.00	\$395.00

## Auditing to ISO 26262: Functional Safety Management Systems Standards

This course is designed to help your company prepare for the skills required to audit ISO 26262 Functional Safety Requirements as a standalone and integrated system. This class will give you the information to Plan, Conduct and Report audit activities for ISO. This standard is an adaptation of the Functional Safety Standard IEC 61508 for the specifics of automotive electric/electronic systems. It is to be applied to safety related Systems that include electric/electronic systems that are installed in production passenger vehicles.

Date(s)	Time(s)	Member Price	Non-Member Price
On Demand*	8:00 AM - 5:00 PM	\$1,895.00	\$2,095.00

## Automotive SPICE Certified Competent Assessor

The ISO/IEC 15504 and ISO/IEC 330xx, respectively (SPICE: Software Process Improvement and Capability dEtermination) depicts worldwide accepted standards for rating process capability and for process improvement for development of software and software based systems. In the automotive industry the domain specific variant “Automotive SPICE®” is used for rating and qualification of ECU and software suppliers.

This training is based on the experiences of the Provisional Assessor training. You will be prepared for the exam, which qualifies you as an “intacs™ Certified Competent Assessor (Automotive SPICE®)”. You will deepen your experiences in the application of Automotive SPICE® and by practical exercises, discussions and following the presentations you will be able to plan and perform an assessment as the responsible lead assessor.

Date(s)	Time(s)	Member Price	Non-Member Price
On Demand*	9:00 AM - 5:00 PM	\$3,000.00	\$3,400.00

## Automotive SPICE Certified Provisional Assessor

The ISO/IEC 15504 and ISO/IEC 330xx, respectively (SPICE: Software Process Improvement and Capability dEtermination) depicts worldwide accepted standards for rating process capability and for process improvement for development of software and software based systems. In the automotive industry the domain specific variant “Automotive SPICE®” is used for rating and qualification of ECU and software suppliers.

In this training course you will be prepared for the exam, which qualifies you as “intacs™ Certified Provisional Assessor (Automotive SPICE®)”. You will become familiar with Automotive SPICE® and by practical exercises, discussions and following the presentations you will be able to act as a co-assessor in an assessment and to improve processes based on this standard.

Date(s)	Time(s)	Member Price	Non-Member Price
On Demand*	9:00 AM - 5:00 PM	\$3,000.00	\$3,400.00

\* Courses are scheduled based on demand. Contact us at [trainingcontact@aiag.org](mailto:trainingcontact@aiag.org) or (248) 358-3003 for more information.

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\*\*\* NOTE: Attendance to the entire course is required to receive a Certificate of Attendance with CEUs.

## Automotive Warranty Assessment Training

The Automotive Warranty Assessment Training provides a best-practice approach for managing warranty processes with the consumer in mind. The goal of the training is to develop skilled practitioners who are well versed in the Assessment tool provided in the Automotive Warranty Management manual and who are able to provide an organization with a warranty process that utilizes best practices.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
May 17, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
November 5, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80

## Automotive Warranty: An Introduction

Attendees will gain insight into the customer's warranty data output metrics (claims and cost), basic warranty data tracking methods, warranty claim rate reduction, simple data base analysis, including what to do with the data, and basic activities that an organization should perform to understand warranty performance.

This one-day course is recommended for individuals who are new to warranty management, or anyone wishing to gain a better understanding of warranty management and how the systems interact between supplier, customers, and dealers.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
May 16, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
November 4, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80

## Automotive Warranty Management Pre-Assessment

The Automotive Warranty Management Pre-Assessment is optional. It will provide a preliminary gap analysis to determine current state of an organization's warranty management process and for the basis for initial action plans. Upon completion, you will receive a results letter via email.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line course (anytime)	On-line course (anytime)	FREE	FREE

## Core Tools Overview eLearning

AIAG has developed a free online survey to test basic competency in the automotive quality Core Tools, e.g. APQP/PPAP, FMEA, MSA and SPC, which you can use to baseline your organization's and/or your suppliers' competency. The questions reflect information that everyone in automotive quality today should know and was developed with the required knowledge for third-party IATF 16949 auditors as an input. Results can be used 1) to verify the effectiveness of your quality Core Tools training, 2) for supplier development, e.g. Tier 2, and 3) to develop individual or group improvement plans.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
On-line course (anytime)	On-line course (anytime)	FREE	\$150.00	0.20

## Core Tools Self-Assessment

AIAG has developed a free online survey to test basic competency in the automotive quality Core Tools, e.g. APQP/PPAP, FMEA, MSA and SPC, which you can use to baseline your organization's and/or your suppliers' competency. The questions reflect information that everyone in automotive quality today should know and was developed with the required knowledge for third-party IATF 16949 auditors as an input. Results can be used 1) to verify the effectiveness of your quality Core Tools training, 2) for supplier development, e.g. Tier 2, and 3) to develop individual or group improvement plans. This is not a certification program.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line course (anytime)	On-line course (anytime)	<b>FREE</b>	<b>FREE</b>

## Effective Problem Solving Workshop

This two day workshop is based on the new AIAG CQI-20 Effective Problem Solving Guide, 2nd edition. Using case studies, the course will give you the tools necessary to work through real problems to identify root cause and complete the process of effective problem solving. Attendees will take this new knowledge back into their organization to review and address the existing culture, behaviors, and competency with regards to problem solving, and drive change within your organization.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
April 9-10, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
June 27-28, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
September 18-19, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
November 12-13, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50



## On-Site Training Solutions

**Cost effective. Convenient. Comprehensive. Global. Train your entire team on-site with AIAG's corporate training solutions.**

Available worldwide and tailored to your specific team — large or small — AIAG corporate training is taught at your facility, in your native language, conveying one consistent message.

On-site training allows your company to incorporate your own examples into the

exercises and customize the training to fit your team's needs.

Use of AIAG's training facility is available, complimentary, if you prefer to bring your team to us. We are here to make the training process as convenient as possible!

**Contact us today! (248) 358-3003 | [trainingcontact@aiag.org](mailto:trainingcontact@aiag.org)**

## Essentials for Transitioning to IATF 16949

This eLearning course examines the key changes from ISO/TS 16949:2009 to ISO 9001:2015 and IATF 16949:2016. This course is designed for experienced implementation team members, lead auditors, supplier auditors, internal auditors, audit team leaders and program managers.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
On-line course (anytime)	On-line course (anytime)	\$295.00	\$395.00	0.40

## Exemplar Global Certified ISO 9001:2015 Internal Auditor Training with IATF 16949:2016 Automotive Emphasis\*\*

This internationally-accredited 3-day course is designed for new internal auditors and experienced internal auditors who need to perform internal quality audits to IATF 16949:2016. Participants will complete an in-depth review of the ISO 9001:2015 and IATF 16949:2016 requirements, and the tools to effectively prepare and conduct internal audits to the standard.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
January 28-30, 2019	8:00 AM - 6:00 PM	\$995.00	\$1,195.00	2.40
February 18-20, 2019	8:00 AM - 6:00 PM	\$995.00	\$1,195.00	2.40
March 18-20, 2019	8:00 AM - 6:00 PM	\$995.00	\$1,195.00	2.40
May 8-10, 2019	8:00 AM - 6:00 PM	\$995.00	\$1,195.00	2.40
June 24-26, 2019	8:00 AM - 6:00 PM	\$995.00	\$1,195.00	2.40
August 5-7, 2019	8:00 AM - 6:00 PM	\$995.00	\$1,195.00	2.40
September 9-11, 2019	8:00 AM - 6:00 PM	\$995.00	\$1,195.00	2.40
October 14-16, 2019	8:00 AM - 6:00 PM	\$995.00	\$1,195.00	2.40
November 18-20, 2019	8:00 AM - 6:00 PM	\$995.00	\$1,195.00	2.40
December 9-11, 2019	8:00 AM - 6:00 PM	\$995.00	\$1,195.00	2.40

## Exemplar Global-Certified ISO 14001 EMS Lead Auditor\*\*

This in-depth course gives you the skills and tools necessary to become an effective lead auditor in your organization. Hands-on class work, exercises and case studies will prepare you to effectively run your internal audit, as well as oversee internal auditors during the course of an audit. Learn a range of internal EMS auditing skills that will help you become a strong advocate and auditor in your company's effort to obtain maximum value from your commitment to environmental issues. Gain confidence in your audit skills - from planning through reporting the results. In addition, acquire actual experience working as a member of a functioning audit team during the course. This course is certified by Exemplar Global and meets the training portion of the requirements for certification of individual QMS auditors.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
January 28-February 1, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.60
August 5-9, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.60

## Exemplar Global-Certified ISO 9001:2015 Lead Auditor

### Training with AIAG IATF 16949:2016 Supplier Auditor Certification\*\*

IATF 16949:2016 places an increased emphasis on first and second-party auditor qualification. This exclusive 5-day training program is the highest level of auditor training available to automotive suppliers. The course is designed to prepare first- and second-party auditors and audit program managers to meet the new requirements of IATF 16949:2016 and customer-specific requirements of FCA, Ford Motor Co., and General Motors Co.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
January 21-25, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
February 11-15, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
February 18-22, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
March 11-5, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
March 25-29, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
April 8-12, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
April 29-May 3, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
May 13-17, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
June 3-7, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
June 17-21, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
July 22-26, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
August 12-16, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
August 19-23, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
September 16-20, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
October 7-11, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
October 28-November 1, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
November 11-15, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80
December 9-13, 2019	8:00 AM - 6:00 PM	\$1,895.00	\$2,095.00	3.80

### Explanation of Symbols



Certificate Awarded



College Credit Available



On-site Available



Self Assessment



Online Registration



E-learning/E-Training



International

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## Failure Mode and Effects Analysis (FMEA) Overview

Develop a real-world, functional understanding of Failure Mode and Effects Analysis. IATF 16949 internal auditors or second-party auditors, anyone involved in developing design and/or process FMEAs or in the implementation of IATF 16949 will benefit from learning about the common set of requirements that should be used to implement FMEA techniques into design and manufacturing processes.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
March 5, 2019	8:00 AM - 12:00 PM	\$175.00	\$225.00	0.40
June 4, 2019	8:00 AM - 12:00 PM	\$175.00	\$225.00	0.40
August 27, 2019	8:00 AM - 12:00 PM	\$175.00	\$225.00	0.40
November 5, 2019	8:00 AM - 12:00 PM	\$175.00	\$225.00	0.40

## FMEA Certification Exam

Certification by AIAG in FMEA confirms an individual's proficiency in failure mode and effects analysis techniques as defined in the FMEA reference manual. The individual is able to apply and communicate them, and as a result, can successfully support the identification and management of risks.

Date(s)	Time(s)	Member Price	Non-Member Price
March 4, 2019	1:00 PM - 5:00 PM	\$295.00	\$395.00
July 23, 2019	1:00 PM - 5:00 PM	\$295.00	\$395.00
October 29, 2019	1:00 PM - 5:00 PM	\$295.00	\$395.00

## Geometric Dimensioning and Tolerance (GD&T) - Basic

This course is an overview of the GD&T concepts in controls necessary for proper layout and applications. The course will cover typical issues that can occur when applying a traditional coordinate system and how Geometric Tolerance can overcome them. You will be introduced to the symbols, terminology and the rules for GD&T based on ASME Y14.5:2009.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
February 25, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
May 13, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
August 21, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
November 18, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80

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## Geometric Dimensioning and Tolerance (GD&T) - Advanced

This course is intended to enable participants to apply and interpret the concepts and benefits of specifying and dimensioning products using functional quotation, tolerance of form, and position. Participants will construct a clear vision of the existing paradox within the industry. Example: “Why this characteristic is non-conforming to the specification and the part mounts function well in the product?” or “Why the part is within the specification, but doesn’t mount or work properly with the customer?”

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
February 26-27, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
May 14-15, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
August 22-23, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
November 19-20, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50

## IATF 16949:2016 Executive Understanding

Designed for Top Management, this highly interactive 1-day course focuses to provide attendees with an understanding of the key management requirements in ISO 9001:2015 and IATF 16949:2016. The objective is to assist Top Management to effectively oversee the implementation, maintenance, and improvement of the Quality Management System (QMS).

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
On Demand*	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80

## IATF 16949:2016 Supplier Auditor Certification

During this 4-day training course, participants will learn the necessary skills to conduct high quality internal audits to improve performance on registration and surveillance results. This exclusive AIAG training program is the supplier version of the official IATF 16949:2016 third-party auditor certification course. The course focuses on the requirements of IATF 16949:2016, linkages to automotive quality core tools and customer requirements, and the automotive process approach to auditing. A final examination is included at the end of the course.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
April 8-11, 2019	8:00 AM - 5:00 PM	\$1,695.00	\$1,995.00	3.00
October 21-24, 2019	8:00 AM - 5:00 PM	\$1,695.00	\$1,995.00	3.00

### THE LATEST INDUSTRY UPDATES...STRAIGHT TO YOUR INBOX

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\* Courses are scheduled based on demand. Contact us at [trainingcontact@aiag.org](mailto:trainingcontact@aiag.org) or (248) 358-3003 for more information.

\*\* Plexus Corp. is the Exemplar Global-Certified course provider for training at AIAG.

\*\*\* NOTE: Attendance to the entire course is required to receive a Certificate of Attendance with CEUs.

## IATF 16949:2016 Understanding and Internal Quality Auditing

This 3-day course is designed for new internal auditors and experienced internal auditors who require refresher training. Participants will complete an in-depth review of ISO 9001:2015, IATF 16949:2016, and the tools to effectively prepare and conduct internal audits. Through individual participation and group exercises, participants will apply and audit the requirements of ISO 9001:2015 and IATF 16949:2016 through case study activities that focus on industry-recognized auditing techniques.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
March 18-20, 2019	8:00 AM - 5:00 PM	\$900.00	\$1,100.00	2.30
June 12-14, 2019	8:00 AM - 5:00 PM	\$900.00	\$1,100.00	2.30
September 16-18, 2019	8:00 AM - 5:00 PM	\$900.00	\$1,100.00	2.30
December 2-4, 2019	8:00 AM - 5:00 PM	\$900.00	\$1,100.00	2.30

## IMDS Basic Concepts and Application

This instructor-led course is designed to ensure users are familiar with all aspects of the IMDS system. Students will receive hands on instructions on how to build, receive and submit data related to ongoing customer requests. All basic concepts will be reviewed in detail providing students with confidence to function competently in the IMDS system.

Date(s)	Time(s)	Member Price	Non-Member Price
January 17, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
February 13, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
March 11, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
April 29, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
May 20, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
June 24, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
August 12, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
September 18, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
October 28, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00
November 18, 2019	8:00 AM to 5:00 PM	\$575.00	\$675.00

## Implementing APQP, Control Plan and PPAP

In this eLearning course, learn the skills needed to implement the APQP process, develop control plans and complete the production part approval process smoothly, efficiently and effectively. Realism is enhanced as the participant develops flow charts, process instructions and control plans for a case study product and carries them through the PPAP submission process.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
On-line course (anytime)	On-line course (anytime)	<b>FREE</b>	\$375.00	0.60

## Implementing Failure Mode and Effects Analysis (FMEA)

This course is designed to establish the use of FMEAs and to help you learn the skills needed to practice risk reduction and defect prevention. Through this on-line course you will foster an understanding of the specific components of Design and Process FMEAs; utilize the FMEA to avoid Murphy's Law; relate the FMEA to APQP; and gain the needed skills to practice risk reduction and defect prevention.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
On-line course (anytime)	On-line course (anytime)	FREE	\$375.00	0.40

## Implementing Layered Process Audits (LPA)

Learn how to implement Layered Process Audits (LPA) in the automotive or any other industry to improve product quality and customer satisfaction. LPAs can be applied to verify any defined process within an organization. This course will help you use the AIAG CQI-8 Guideline to confidently implement LPA at your facility. Participants will become comfortable with an efficient LPA implementation model and the sample formats and reports provided within CQI-8. Activities in the workshop will help participants create effective LPA questions, and discussion will include differences between the major OEM Customer requirements for LPAs.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
March 25, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
September 23, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80

## Implementing Statistical Process Control (SPC)

Examine methods for implementing and applying the principles of statistical process control to manufacturing processes. This course will show the linkage of SPC and the Measurement Studies with IATF 16949 requirements and FMEA and PPAP and offer methods for the use of SPC tools and application of software for the calculation of Control Limits and Measurement Studies.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
On-line course (anytime)	On-line course (anytime)	FREE	\$375.00	0.40

## ISO 14001 EMS Understanding and Internal Auditing

Learn a range of internal EMS auditing skills that will help you become a strong advocate and auditor in your company's effort to obtain maximum value from your commitment to environmental issues. Gain confidence in your audit skills - from planning through reporting the results. Acquire actual experience working as a member of a functioning audit team during the course.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
March 18, 2019	8:00 AM - 5:00 PM	\$995.00	\$1,195.00	2.40
July 22, 2019	8:00 AM - 5:00 PM	\$995.00	\$1,195.00	2.40
November 4, 2019	8:00 AM - 5:00 PM	\$995.00	\$1,195.00	2.40

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\*\*\* NOTE: Attendance to the entire course is required to receive a Certificate of Attendance with CEUs.

## Leadership's Role in a Successful Layered Process Audit (LPA)

The CQI-8 Layered Process Audits Guideline stresses the importance of leadership involvement in an organization's Layered Process Audit (LPA) activities - and for a good reason: Without specific leadership behaviors and actions, LPAs are usually a waste of time and frustrating to the people involved. However, when Leadership sees the value of LPAs and participates appropriately, the organization can achieve a culture of accountability, process control and continuous improvement. What's the payoff? A reduction of scrap, rework, customer complaints, warranty and recalls. "Leadership" goes beyond tacit support by Top-Management. Learn how you can leverage your human assets to take your organization to the next level of performance.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
March 26, 2019	8:00 AM - 12:00 PM	\$175.00	\$225.00	0.40
September 24, 2019	8:00 AM - 12:00 PM	\$175.00	\$225.00	0.40

## Measurement Systems Analysis (MSA) with Applications

The purpose of this eLearning course is to provide the participant with the tools to perform various MSA applications within their organizations. The course is presented in several, self-contained modules to effectively drive the principles of MSA while enabling the participant to immediately tie the principles to their applications. The course allows for the organization to use their data, through application exercises to incorporate the concepts into actual outcomes. The course will present the methods necessary to analyze outcome data and to make decisions and recommendations based on the data.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
On-line course (anytime)	On-line course (anytime)	<b>FREE</b>	\$375.00	0.80

## MSA Certification Exam

Certification by AIAG in MSA verifies an individual's proficiency in measurement systems analysis techniques as defined in the MSA reference manual. The individual is able to analyze measurement systems, can explain them, and as a result, can successfully support the selection and management of measurement systems.

Date(s)	Time(s)	Member Price	Non-Member Price
March 5, 2019	8:00 AM - 12:00 PM	\$295.00	\$395.00
July 24, 2019	8:00 AM - 12:00 PM	\$295.00	\$395.00
October 30, 2019	8:00 AM - 12:00 PM	\$295.00	\$395.00

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## PFMEA in Context

The development and usage of the automotive quality core tools including process flow diagrams, process FMEAs and control plans are nothing new to the automotive supply base. Unfortunately, in many cases these documents are not used to their full potential reducing the benefit for both suppliers and their customers. As the advanced next step in process improvement, this workshop was designed to reemphasize the benefits, importance, and proper development of these documents for the benefit of supplier organizations and their customers.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
March 6-7, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
June 5-6, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
August 28-29, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
November 6-7, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50

## Poka Yoke (Mistake Proofing) for Zero Defects

The purpose of this workshop is to provide the participant with a basic overview of the Poka Yoke System for developing a zero defects strategy in industrial applications. The workshop will provide an introduction to the system and its toolbox to assist you in the development and implementation of a zero defects based culture. Included in the workshop is a series of defined activities and applications for its use as a process.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
On Demand*	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80

## Principles of Lean Manufacturing and Six Sigma

All organizations strive to improve efficiency and reduce waste, i.e. become 'lean' enterprises. Using a variety of methods and hands-on exercises, this course provides students with the core concepts related to managing lean organizations and implementing six sigma. Topics covered include lean principles, process capability, value stream mapping, process improvement, and six sigma implementation. The course also includes guest lecturers who share their unique, industry-based experiences with lean and six sigma tools and concepts.

### Pre-Requisites:

This course is an overview of lean manufacturing and six sigma principles, which should provide foundational knowledge to those students looking to further their understanding or gain the basis for future certification programs. It is recommended that students have some prior exposure to manufacturing systems and processes, or have a background in supply chain management, quality management, manufacturing finance, or a related business field.

Date(s)	Time(s)	Member Price	Non-Member Price
January 9-13, 2019	8:00 AM - 5:00 PM	\$2,400.00	\$2,750.00

\* Courses are scheduled based on demand. Contact us at [trainingcontact@aiag.org](mailto:trainingcontact@aiag.org) or (248) 358-3003 for more information.

\*\* Plexus Corp. is the Exemplar Global-Certified course provider for training at AIAG.

\*\*\* NOTE: Attendance to the entire course is required to receive a Certificate of Attendance with CEUs.

## Production Part Approval Process (PPAP) Overview

Whether you are familiar with the Production Part Approval Process (PPAP) requirement, need a refresher or are new to PPAP altogether, this overview course is for you.

Become versed on the procedures, reporting requirements and activities specified by the PPAP manual. Instruction covers the fourth edition manual, submission and specific requirements for part approval records/sample retention, and part-submission status. A review of forms in the PPAP manual is also included.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
March 5, 2019	1:00 PM - 5:00 PM	\$175.00	\$225.00	0.40
June 4, 2019	1:00 PM - 5:00 PM	\$175.00	\$225.00	0.40
August 27, 2019	1:00 PM - 5:00 PM	\$175.00	\$225.00	0.40
November 5, 2019	1:00 PM - 5:00 PM	\$175.00	\$225.00	0.40

## Quality Core Tools - Connect the Dots ELearning

This basic level course will provide participants with a better understanding of how the automotive industry Core Tools (i.e. APQP/Control Plan, FMEA, MSA, SPC and PPAP) work together to assure quality. Utilizing a case study approach, the course highlights key issues to address while utilizing the core tools to successfully develop and launch a new product. The results of this course will provide you with insights to know where your Core Tools strengths lie and where you may need further training.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line course (anytime)	On-line course (anytime)	FREE	\$150.00

## SPC Certification Exam

Certification by AIAG in SPC confirms an individual's proficiency in statistical process control techniques as defined in the SPC reference manual. The individual is able to apply and communicate them, and as a result, can successfully support the monitoring and improvement of manufacturing processes.

Date(s)	Time(s)	Member Price	Non-Member Price
March 5, 2019	1:00 PM - 5:00 PM	\$295.00	\$395.00
July 24, 2019	1:00 PM - 5:00 PM	\$295.00	\$395.00
October 30, 2019	1:00 PM - 5:00 PM	\$295.00	\$395.00

## Sub-Tier Supplier Management Process Guideline eLearning

In this on-line course, a strong emphasis is placed on explaining the goal of how "Using a common supplier management process across the industry will result in more effective supplier evaluation, selection, and development and make current resources more effective," the benefits of such an approach, and a description of "real world" problems caused by failures in the supplier development process.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line course (anytime)	On-line course (anytime)	FREE	FREE

## Sub-Tier Supplier Management Process Guideline Self-Assessment



Upon completion of this self-assessment, you will receive feedback on your current understanding of:

- General knowledge of CQI-19
- Knowledge of APQP and PPAP supplier requirements
- General knowledge of AIAG Core Tools and other CQIs from the supplier development perspective
- Additional feedback on your results, to include recommendations for additional training and other relevant references/resources will also be provided.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line course (anytime)	On-line course (anytime)	FREE	FREE

## Sub-Tier Supplier Management Process Program



Sub-tier Supplier Management Process Program is a blended course consisting of three components:

1. CQI-19 Online Self-Assessment (1/2-Hour) - a prerequisite, pre-test to evaluate knowledge competency of CQI-19 and Core Tools.
2. CQI-19 eLearning (1-Hour) - a prerequisite for the face-to-face training.  
\*\*The above two items must be completed before registration can take place\*\*
3. CQI-19 Classroom Training (1-Day) - a bridge to the online training, and application of CQI-19 in the workplace based on case study activities.
  - Final Examination (1-Hour) - an on-line examination to evaluate and assess knowledge and application of CQI-19 delivered during the classroom training.
  - Learning is maximized through participation and interactivity. This program focuses on activities, case studies, and applications.

It is expected that you have a basic understanding of the core tools (APQP/PPAP, FMEA, SPC & MSA) prior to attending the Sub-Tier Supplier Management Process Guideline course. These topics will be on the final exam. Participants must bring a laptop to the class.

Upon successful completion of this one-day program, participants will be able to:

- Recall the four phases and their component elements of the Sub-tier Supplier Management Process.
- Analyze and apply the benefits of the "shoulds" in CQI-19 to their organization and their suppliers.
- Utilize a Gap Analysis Tool to identify the differences between their current business process and a sub-tier supplier management process that would be described in CQI-19

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
On Demand*	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80

\* Courses are scheduled based on demand. Contact us at [trainingcontact@aiag.org](mailto:trainingcontact@aiag.org) or (248) 358-3003 for more information.

\*\* Plexus Corp. is the Exemplar Global-Certified course provider for training at AIAG.

\*\*\* NOTE: Attendance to the entire course is required to receive a Certificate of Attendance with CEUs.

## Taking Effective Corrective Action: Using the 8-D Approach

This training course presents the 8-D model as an efficient and effective methodology for determining, planning, verifying, and documenting corrective actions. You will be introduced to planning for improvement using easily understood and implemented tools that will result in positive, innovative, and effective actions.

The tools include the questioning technique that establishes a method by which various teams with diverse backgrounds can determine which planning steps are necessary and will result in positive actions. The 8-D approach assists teams in ensuring that all necessary steps are addressed and that an efficient and consistent communication of the results of the team activity is made.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
April 1-2, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
October 14-15, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50

## Transitioning to IATF 16949:2016 for Automotive Auditors

The first 2-days of this training focus on an in-depth review of the changes from ISO/TS 16949:2009 to ISO 9001:2015 and IATF 16949:2016. The last day of training covers the changes from Rules 4th to Rules 5th, automotive auditing approaches, and transition planning. A final examination is included at the end of the course.

This unique training program is designed for experienced lead auditors, supplier auditors, internal auditors, audit team leaders and program managers. It is highly recommended that attendees have previously completed the "Exemplar Global Certified ISO 9001:2008 Lead Auditor with AIAG ISO/TS 16949:2009 Supplier Auditor Certification Training."

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
On Demand*	8:00 AM - 5:00 PM	\$995.00	\$1,195.00	2.30

## Understanding and Implementing APQP with PPAP

Learn the skills needed to implement the APQP process, develop control plans and complete the Production Part Approval Process smoothly, efficiently and effectively within your company. Additionally, acquire the skills necessary to complete all five APQP phases from "voice of the customer" through final output, including control plan methodology and PPAP submission.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
February 7-8, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
April 4-5, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
June 13-14, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
August 8-9, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
October 10-11, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
December 12-13, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50

# CORE TOOLS

## SOFTWARE PROJECT

## AVAILABLE FIRST QUARTER 2019

### **CORE TOOLS SOFTWARE FOR BUILT IN QUALITY**

The automotive “Core Tools” are often referred to as the “building blocks of automotive quality.” There is a critical need in the industry for solutions that enable suppliers to successfully execute all of these Core Tools during their new product and process development projects. To address this need, AIAG is developing a new Core Tools software solution.

### **CUSTOMER INPUT DRIVES PRODUCT DESIGN**

A Voice of the Customer (VOC) survey was performed, focusing on Tier 2 (T2) and lower companies, and the results show a strong international interest in a cloud based application. Primary needs are a robust yet flexible solution that provides the required forms but also allows for customization to support the small suppliers’ unique needs.

### **TIER 2 AND SMALLER FOCUS**

Intended customer base for this Core Tools Software application is T2 and smaller organizations that do not need, and/or cannot afford, the larger PLM or QMS applications. To maintain this focus, the volunteer project team is composed of Tier 2 suppliers that used the former product and can directly communicate their needs to the developers.

### **SUPPORTS BOTH CURRENT AND NEW FMEA FORMS**

The product will be released with the forms to support both the current 4th Edition FMEA manual and the new AIAG-FMEA Handbook.



## NEW FEATURES / FUNCTIONS

### **ROBUST SECURITY**

As a cloud based application, there will be robust security that assures no one can access the company’s information without permission.

### **FORM LINKAGE**

Linkage between the DFMEA, Process Flow, PFMEA, and Control Plan is provided through a relational database that makes sure that everything is tied together.

### **PROJECT MANAGEMENT / TASK TRACKER**

To support managing the product and/or process development projects, the app will include checklists, with flexibility to customize the task lists.

### **REPORTING**

Standard and custom reporting is included in order to make it easier for companies to manage the process.

### **INTERNATIONAL, MULTI-LINGUAL**

Recognizing the global automotive supply chain, several languages will be supported in the application.

## Understanding and Implementing FMEA

Establish the foundation to void Murphy's Law; things that could go wrong don't have to when you learn to use FMEAs successfully. This course will teach you the skills to understand and use FMEAs and the concept of risk reduction and defect prevention.

Turn your quality control around when you discover the impact of failure and how you can reduce the risk with FMEAs. Then, take your skills and knowledge beyond the concepts by learning the specifics of successfully developing and maintaining design and process FMEAs for your company, which includes identifying and reducing risk factors.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
February 5-6, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
April 2-3, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
June 11-12, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
August 6-7, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
October 8-9, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
December 10-11, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50

## Understanding and Implementing MSA and SPC Basics

Establish a foundational knowledge-base to analyze your manufacturing system and enhance its effectiveness. Gain a basic understanding of how to establish, analyze and implement a statistical process control (SPC) system in a manufacturing environment.

Discover the framework of how to implement and audit SPC fundamentals at your facility and develop a statistical toolbox that can be used for each of your projects that reflect the stability and capability of your manufacturing system.

Furthermore, gain a better understanding of how to develop measurement studies for each of your projects that reflect the stability and capability of your measurement system. Identify the linkages between the measurement system, using techniques of measurement systems analysis (MSA) and the appropriate tools for defining its continued capability and effectiveness. In addition, this course includes activities to help you understand and audit your measurement system.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
February 4, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
April 1, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
June 10, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
August 5, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
October 7, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
December 9, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80

## Understanding IATF 16949:2016

In this 2-day training, develop a complete appreciation for ISO 9001:2015 and IATF 16949:2016, including the process approach, risk-based thinking, and an understanding of how it is necessary and valuable to your overall business management system. This course is designed for new implementation team members and other representatives from key functional groups involved in the organization's QMS.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
February 25-26, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
May 6-7, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
August 8-9, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
November 11-12, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50

## Understanding the Casting Special Process System Assessment

In this class, understand and learn how to use the Casting Special Process System Assessment as a foundation to assure control of these special processes and deliver quality parts and materials.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
On Demand*	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80

## Understanding the Heat Treat, Soldering and Welding Special Process System Assessments

Find out how to effectively use the Heat Treat, Soldering and/or Welding guidelines to evaluate the control and management of your processes and deliver quality parts and materials. If you are involved in the implementation of, maintenance of, and/or compliance of a heat treat, soldering or welding system assessment, this course will give you the tools necessary to understand and learn how to use the system assessments as a foundation to assure control of your processes.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
April 8, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
November 8, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80

## Understanding the Molding Special Process System Assessment

In this class, understand and learn how to use the Molding Special Process System Assessment as a foundation to assure control of these special processes and deliver quality parts and materials.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
On Demand*	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80

\* Courses are scheduled based on demand. Contact us at [trainingcontact@aiag.org](mailto:trainingcontact@aiag.org) or (248) 358-3003 for more information.

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\*\*\* NOTE: Attendance to the entire course is required to receive a Certificate of Attendance with CEUs.

## Understanding the Plating and Coating Special Process System Assessments

If you are interested in the Plating System Assessment and Coating System Assessment, this overview course covers the tools that are the foundation of the special process assessments. Learn how to use the tool as a foundation to ensure control of the special processes, as well as to deliver quality parts and materials. This overview course covers the coating and plating special process system assessments.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
May 10, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80
November 11, 2019	8:00 AM - 5:00 PM	\$325.00	\$425.00	0.80

## VDA 6.3 – Competence Training for Certified Process Auditors

This 2-day course enables you to strengthen your process auditing competence, to exchange experiences from your auditing practice with other auditors and further develop your practical knowledge. All the contents of the upgrade training are integrated into this training, so the experiences so far can be reflected based on the current red volume (2016).

Date(s)	Time(s)	Member Price	Non-Member Price
February 27-28, 2019	8:00 AM - 5:00 PM	\$895.00	\$1,095.00
April 8-9, 2019	8:00 AM - 5:00 PM	\$895.00	\$1,095.00

## VDA 6.3 - Examination for Certified Process Auditor

The one-day VDA 6.3 process auditor examination consists of two parts: a written exam and an oral exam. Applicant must submit a completed Application Form for Admission to Examination for Certified Process Auditor VDA 6.3 (VDA Form 1408) and submit all the appropriate evidence and documentation. Once the application has been received, it will be reviewed for acceptance into the examination. After passing the complete exam (both parts), you will receive a VDA certificate with your registered number, an auditor card, and entry into the VDA QMC database.

Date(s)	Time(s)	Member Price	Non-Member Price
January 25, 2019	8:00 AM - 5:00 PM	\$750.00	\$825.00
March 8, 2019	8:00 AM - 5:00 PM	\$750.00	\$825.00
April 5, 2019	8:00 AM - 5:00 PM	\$750.00	\$825.00
May 17, 2019	8:00 AM - 5:00 PM	\$750.00	\$825.00
June 28, 2019	8:00 AM - 5:00 PM	\$750.00	\$825.00
August 16, 2019	8:00 AM - 5:00 PM	\$750.00	\$825.00
September 27, 2019	8:00 AM - 5:00 PM	\$750.00	\$825.00
October 11, 2019	8:00 AM - 5:00 PM	\$750.00	\$825.00
November 22, 2019	8:00 AM - 5:00 PM	\$750.00	\$825.00
December 6, 2019	8:00 AM - 5:00 PM	\$750.00	\$825.00

## VDA 6.3 - Qualification as Process Auditor with Certified Examination

This 5-day training is designed for participants who want to achieve their qualification as certified VDA 6.3 process auditor in as short a time as possible. This course also includes the VDA 6.3 – Examination Day for Certified Process Auditor. The exam includes two parts: a written exam and an oral exam. After passing the complete exam, you will receive a VDA certificate, an auditor card and the VDA QMC database entry.

Date(s)	Time(s)	Member Price	Non-Member Price
January 21-25, 2019	8:00 AM - 5:00 PM	\$2,400.00	\$2,900.00
March 4-8, 2019	8:00 AM - 5:00 PM	\$2,400.00	\$2,900.00
April 1-5, 2019	8:00 AM - 5:00 PM	\$2,400.00	\$2,900.00
May 13-17, 2019	8:00 AM - 5:00 PM	\$2,400.00	\$2,900.00
June 24-28, 2019	8:00 AM - 5:00 PM	\$2,400.00	\$2,900.00
August 12-16, 2019	8:00 AM - 5:00 PM	\$2,400.00	\$2,900.00
September 23-7, 2019	8:00 AM - 5:00 PM	\$2,400.00	\$2,900.00
October 7-11, 2019	8:00 AM - 5:00 PM	\$2,400.00	\$2,900.00
November 18-22, 2019	8:00 AM - 5:00 PM	\$2,400.00	\$2,900.00
December 2-6, 2019	8:00 AM - 5:00 PM	\$2,400.00	\$2,900.00

## VDA 6.3 – Qualification for Process Auditor

Using the process approach and the respective customer-specific requirements, this 4-day training teaches you the basics for VDA 6.3 process auditors. The introduction to the basics of process auditing includes general requirements, methods, principles, assessment scheme and risk analysis. Furthermore, the underlying questionnaire is explained according to the assigned process elements, so that through the process audit you can identify the respective risks and potentials along the supply chain.

Date(s)	Time(s)	Member Price	Non-Member Price
January 21-24, 2019	8:00 AM - 5:00 PM	\$2,100.00	\$2,600.00
March 4-7, 2019	8:00 AM - 5:00 PM	\$2,100.00	\$2,600.00
April 1-4, 2019	8:00 AM - 5:00 PM	\$2,100.00	\$2,600.00
May 13-16, 2019	8:00 AM - 5:00 PM	\$2,100.00	\$2,600.00
June 24-27, 2019	8:00 AM - 5:00 PM	\$2,100.00	\$2,600.00
August 12-15, 2019	8:00 AM - 5:00 PM	\$2,100.00	\$2,600.00
September 23-26, 2019	8:00 AM - 5:00 PM	\$2,100.00	\$2,600.00
October 7-10, 2019	8:00 AM - 5:00 PM	\$2,100.00	\$2,600.00
November 18-21, 2019	8:00 AM - 5:00 PM	\$2,100.00	\$2,600.00
December 2-5, 2019	8:00 AM - 5:00 PM	\$2,100.00	\$2,600.00

\* Courses are scheduled based on demand. Contact us at [trainingcontact@aiag.org](mailto:trainingcontact@aiag.org) or (248) 358-3003 for more information.

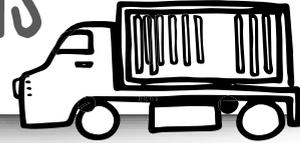
\*\* Plexus Corp. is the Exemplar Global-Certified course provider for training at AIAG.

\*\*\* NOTE: Attendance to the entire course is required to receive a Certificate of Attendance with CEUs.





# Supply Chain Management PUBLICATIONS



## 2D Direct Parts Marking Guideline

Provides information for the marking and reading of Data Matrix and/or QR Code symbols marked directly on parts using laser, dot peen and inkjet technologies.

<b>Product Code:</b> B-17		<b>Version:</b> 2 (2009)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## AIAG Pallet and Lid Whitepaper 2010

This white paper lists key problems (Identified in the industry Pallet and Lid Survey) and proposes solutions to reduce the loss of control and visibility of reusable plastic pallets and lids across the automotive industry.

<b>Product Code:</b> RC-13		<b>Version:</b> 1 (2011)	
Format	Language	Member Price	Non-Member Price
Hardcopy (Print On Demand)	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

All e-Document pricing is for single user license. To purchase product as a corporate subscription, please contact (248) 358-3003, or send an email to [order\\_inquiry@aiag.org](mailto:order_inquiry@aiag.org).

## Automotive History of Data Identifiers

This document is a summary of the Data Identifier evolution in the automotive industry. It was created to educate the user as to the past and present lessons learned and to air the global industry to move forward wisely and expeditiously in the development of next-generation automatic identification efforts.

<b>Product Code:</b> XO-B-20		<b>Version:</b> 1 (2010)	
Format	Language	Member Price	Non-Member Price
e-Document	English	<b>FREE</b>	\$116.00

## Automotive History of EDI

This document includes key milestones; how EDI added value, reduced cost and improved throughout in business. Additionally, it captures the evolution of EDI on an international level, reveals important factors influencing decisions, and explains the user benefits.

<b>Product Code:</b> XO-E-18		<b>Version:</b> 1 (2007)	
Format	Language	Member Price	Non-Member Price
e-Document	English	<b>FREE</b>	\$116.00

## Bar Code and Two-Dimensional Symbols for Shipping

Specifies the minimum requirements for the design of labels containing linear bar code and two-dimensional symbols on transport units to convey data between trading partners; provides for traceability of transported units via a unique transport unit identifier (license plate); provides guidance on the formatting on the label of data presented in linear bar code, two-dimensional symbol or human readable form; provides specific recommendations regarding the choice of bar code symbologies, and specifies quality requirements and classes of bar code density; makes recommendations as to label placement, size and the inclusion of free text and any appropriate graphics; provides guidance on the selection of label material.

<b>Product Code:</b> I15394-09		<b>Version:</b> 2 (2009)	
Format	Language	Member Price	Non-Member Price
Hardcopy (Print On Demand)	English	\$211.00	\$211.00

## Basics of Export Compliance

Does your export compliance program meet industry expectations? Are you developing a new program and unsure of next steps? The world of export compliance is constantly changing as new regulations take effect and existing regulations shift, emphasizing the need to stay sharp and in control of your program. Reviewing the basics can help you increase your team's knowledge of export compliance, identify opportunities to streamline your export operations, and avoid costly fines associated with unintended violations. In addition to the fundamentals, this publication covers export regulations, what to consider when exporting, export authorizations, antiboycott regulations, export clearance and record keeping.

<b>Product Code:</b> TC-7		<b>Version:</b> 3 (2018)	
Format	Language	Member Price	Non-Member Price
Hardcopy (Print On Demand)	English	\$29.00	\$116.00
e-Document (English)	English	<b>FREE</b>	\$116.00

## Business Continuity Planning for the Automotive Supply Chain

This guide serves as an aid for automotive suppliers in the development of their business continuity programs and can be adapted for small, medium and large organizations. It can also be used to validate an existing business continuity program. This document replaces the original Crisis Management for the Automotive Supply Chain which focused on emergency responses. It has been expanded to include all elements of business continuity planning including emergency, communications, business resumption planning and IT disaster recovery.

<b>Product Code:</b> M-12		<b>Version:</b> 1 (2007)	
Format	Language	Member Price	Non-Member Price
Hardcopy with Downloadable Toolkit	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Case Study Using Radio Frequency Identification

This case study provides proof that a single Radio Frequency Identification (RFID) tag can be used to uniquely identify an Returnable Transport Items (RTI), and potentially the product within the RTI, across the entire supply chain.

<b>Product Code:</b> XO-B-19		<b>Version:</b> 1 (2010)	
Format	Language	Member Price	Non-Member Price
e-Document	English	<b>FREE</b>	\$116.00

## Code 128 Bar Code Symbology Specification

Specifies the requirements for the bar code symbology known as Code 128. It specifies Code 128 symbology characteristics, data character encodation, dimensions, decoding algorithms and the parameters to be defined by applications.

<b>Product Code:</b> I15417-07		<b>Version:</b> 2 (2007)	
Format	Language	Member Price	Non-Member Price
Hardcopy (Print On Demand)	English	\$149.00	\$149.00

## Code 39 Bar Code Symbology Specification

Manufacturers of bar code equipment and users of bar code technology require publicly available standard symbology specifications to which they can refer when developing equipment and application standards.

<b>Product Code:</b> I16388-07		<b>Version:</b> 2 (2007)	
Format	Language	Member Price	Non-Member Price
Hardcopy (Print On Demand)	English	\$123.00	\$123.00

All e-Document pricing is for single user license. To purchase product as a corporate subscription, please contact (248) 358-3003, or send an email to [order\\_inquiry@aiag.org](mailto:order_inquiry@aiag.org).

## Common Visibility Event Definitions of the Finished Vehicle

The primary focus of this document is to lower overall cost of operations, reduce dwell time at shared facilities, increase velocity of vehicles in transit, lower transit time, improve ability to spot excessive aging, ability to add additional carriers to meet fluctuating demanded, enhancing the ability to carrier staff to transmit/fix errors if all customers use same communized format.

Product Code: XO-M-21		Version: 1 (2011)	
Format	Language	Member Price	Non-Member Price
e-Document	English	FREE	\$116.00

## Container Performance Test Guidelines

Containers come in a lot of different shapes and sizes from a lot of different suppliers. The Container Performance Test Guidelines, RC-9, provide a common test methodology by which containers can be compared on an objective one-to-one basis. The tests are intended to challenge the containers with forces that are related to the hazards present in their typical handling environments.

Product Code: RC-9		Version: 3 (2015)	
Format	Language	Member Price	Non-Member Price
Hard Copy	English	\$29.00	\$116.00
e-Document	English	FREE	\$116.00

## Cyber Security 3rd Party Information Security

This product contains a common set of minimal security guidelines, General Computing Controls, that apply to all 3rd Parties who create, collect, store, transmit, manage, process an OEM's data and information in an environment external to the OEM's. These controls represent the OEM while in the course of doing business and/or providing vital/critical goods or services to the OEM. These security guidelines will focus on the secure exchange and protection of information between the OEM's and their business partners.

Product Code: CS-1		Version: 1 (2018)	
Format	Language	Member Price	Non-Member Price
Hard Copy	English	\$40.00	\$100.00
e-Document	English	\$40.00	\$100.00
Hardcopy & e-Document	English	\$60.00	\$150.00

## DELFOR (Delivery Forecast Message)

The Global Delivery Forecast EDIFACT Guideline is a joint effort of AIAG, JAMA/JAPIA and Odette to elaborate a harmonized electronic delivery forecast message as common standard for a global use in the automotive industry.

Product Code: XO-E-7		Version: 2 (2007)	
Format	Language	Member Price	Non-Member Price
e-Document	English	FREE	\$116.00

## EDI/XML Project Planner

The planner provides a "step by step" approach detailing chronological order for addressing a wide variety of functions, including from budgetary planning, software selection, collaborating with trading partners and new implementation tasks. Companies with existing traditional EDI implementations that want to implement XML, will find direction and recommendations for future implementations.

Product Code: E-2		Version: 4 (2007)	
Format	Language	Member Price	Non-Member Price
Hardcopy (Print On Demand)	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Electronic Proof of Delivery Standard

AIAG's Electronic Proof of Delivery (EPOD) standardizes the administrative process of the delivery of vehicles to dealers. This standardization eliminates varying reporting practices between suppliers, reducing administration costs at all points in the delivery chain. OEMs, transportation suppliers, and dealers benefit from a more concise, rapid, and accurate recording of deliveries.

Product Code: E-21		Version: 3 (2016)	
Format	Language	Member Price	Non-Member Price
Hardcopy (Print On Demand)	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Finished Vehicle Logistics Quality Handling Manual

Improves operations by reducing duplicated activities and provides a common vehicle handling guideline between the European Union and North America.

Product Code: M-23		Version: 1 (2014)	
Format	Language	Member Price	Non-Member Price
Hardcopy (Print On Demand)	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

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## Finished Vehicle Transportation Damage Standards

The process for making transportation claims has evolved. This 2016 update gives you everything you need to know for making transportation claims, including: Global Standard Damage Codes, including Grid Location Diagram and Vehicle 'Splat' Chart; Similarity Matrix Standard; Non Transportation Damage standard, including Photo Sheet; Key Placement Guideline; Inspection and Verification Guideline; Inspection Type Location Guideline; and the newly developed Jumped Chock Codes. Includes new codes and adds an all new inspection verification section to the manual. Expedite your claims handling process with this updated guideline to save you time and money.

<b>Product Code:</b> M-22	<b>Version:</b> 3 (2016)		
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Global DELJIT Message (Just in Time Delivery)

Provides recommended business practices and technical guidelines for using the UN/EDIFACT DELJIT message. This global document was created as a joint effort of AIAG, JAMA/JAPIA and Odette.

<b>Product Code:</b> XO-E-12	<b>Version:</b> 2 (2008)		
Format	Language	Member Price	Non-Member Price
e-Document	English	<b>FREE</b>	\$116.00

## Global DESADV Message (Despatch Advice)

Provides recommended business practices and technical guidelines for the use of the UN/EDIFACT DESADV message in automotive electronic business-transactions. DESADV message corresponds to the ASC X12 856 Despatch Advice message.

<b>Product Code:</b> XO-M-11	<b>Version:</b> 2 (2007)		
Format	Language	Member Price	Non-Member Price
e-Document	English	<b>FREE</b>	\$116.00

## Global INVOIC Message (Invoice)

Global Invoice EDIFACT Guideline is a joint effort of AIAG, JAMA/JAPIA and Odette to elaborate a harmonized electronic invoice message as common standard for a global use in the automotive industry. Document provides recommended business practices and technical guidelines.

<b>Product Code:</b> XO-E-14	<b>Version:</b> 3 (2008)		
Format	Language	Member Price	Non-Member Price
e-Document	English	<b>FREE</b>	\$116.00

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## Global Materials Management Logistics Agreement (GMMLA)

This Global Material Management Logistics Agreement (GMMLA) recommendation contains operational guidelines for a materials management and logistics agreement between parties.

<b>Product Code:</b> M-17		<b>Version:</b> 1 (2008)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Global MMOG/LE - Version 4

MMOG/LE is a supplier self-assessment & continuous improvement tool that boosts materials management efficiency & accuracy while reducing costs from error & waste. The tool provides industry best practices, establishes a common definition of materials practices to facilitate effective communication between trading partners, and is now the global standard for supply chain management processes.

MMOG/LE Version 4 features Full and Basic assessments, allowing suppliers to select the tool that best meets their needs. One purchase per site location. Please note: Translated PDF files for Chinese, German, French, Portuguese, Turkish & Spanish are included.

<b>Product Code:</b> M7-4		<b>Version:</b> 4.1 (2015)	
Format	Language	Member Price	Non-Member Price
Downloadable File	English	\$39.00	\$78.00

## Global Receiving Advice

The Global Receiving Advice elaborates a harmonized receiving message as a common standard for global use in the automotive industry. The guideline documents various business scenarios, activities, and data requirements as UML models mapped to the UN/EDIFACT messages and covers the receipt process and its variance including reporting of discrepancies associated with the receipt of goods.

<b>Product Code:</b> XO-M-13		<b>Version:</b> 2 (2007)	
Format	Language	Member Price	Non-Member Price
e-Document	English	<b>FREE</b>	\$116.00

## Global Remittance Advice

A joint effort of AIAG, JAMA/JAPIA, and Odette to elaborate a harmonized electronic remittance advice message as common standard for a global use in the automotive industry.

<b>Product Code:</b> XO-E-16		<b>Version:</b> 2 (2007)	
Format	Language	Member Price	Non-Member Price
e-Document	English	<b>FREE</b>	\$116.00

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## Global Transport Label Standard for the Automotive Industry

Global automotive industry standard that describes the format for a common transport label design to facilitate the movement of goods and the exchange of data among all members of the supply chain.

Product Code: B-16		Version: 3 (2010)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document (English)	English	<b>FREE</b>	\$116.00

## Global Vehicle Damage Codes Laminated Cards

These cards detail the standardized set of codes for reporting finished vehicle damage during the transportation process, including coding for defining damage area, type and severity. These cards are offered in increments of 50 per order, and do not include the associated document (available separately).

Product Code: DMG-1		Version: 2 (2016)	
Format	Language	Member Price	Non-Member Price
Laminated Cards	English	\$29.00	\$116.00
Laminated Cards	French	\$29.00	\$116.00

## Global Vehicle Damage Codes Laminated Cards

These cards detail the standardized set of codes for reporting finished vehicle damage during the transportation process, including coding for defining damage area, type and severity. These cards are offered in increments of 50 per order, and do not include the associated document (available separately).

Product Code: DMG-1		Version: 3 (2018)	
Format	Language	Member Price	Non-Member Price
Laminated Card	English	\$29.00	\$116.00

## Implementation Guidelines Version 00410AIAG

This industry EDI Implementation guideline, with 31 transaction sets, supports the ASC X12 version/release 004010 EDI standard. Use of these documents should be cleared with your trading partner.

Product Code: EG-824 TRANS			
Format	Language	Member Price	Non-Member Price
Downloadable File	English	\$29.00	\$116.00

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Wayne State University, in cooperation with AIAG, offers the sixth annual non-degree certificate program designed to provide participants with an in-depth understanding of supply chain topics and issues in the context of the global auto industry.  
.....

2019

## Information Kit for Importing into the United States

Information to assist suppliers in achieving complete, accurate and consistent compliance with government requirements and regulations of shipments into the United States. Includes latest information on BRASS and FAST.

Product Code: TC-1		Version: 3 (2005)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	Chinese	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Information Kit for TREAD Act Reporting

Developed to help motor vehicle and equipment manufacturers clarify some of the key milestones, deliverables and action steps for achieving the objectives of the Transportation Recall Enhancement, Accountability and Documentation (TREAD) Act.

Product Code: TC-5		Version: 1 (2003)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Information Technology Automatic Identification

This publication defines methods for evaluating and grading these measurements and deriving an overall assessment of symbol quality, and gives information on possible causes of deviation from optimum grades to assist users in taking appropriate corrective action

Product Code: I15415-11		Version: 2 (2011)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$200.00	\$200.00

## Information Technology Security Techniques Code of Practice

This document gives guidelines for organizational information security standards and information security management practices including the selection, implementation and management of controls taking into consideration the organization's information security risk environment(s). It is designed to be used by organizations that intend to: select controls within the process of implementing an Information Security Management System based on ISO/IEC 27001; implement commonly accepted information security controls; develop their own information security management guidelines.

Product Code: I27002-13		Version: 2 (2013)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$209.00	\$209.00

## Infrastructure for Plant-to-Business (P2B) Interoperability

The document offers a reference architecture and set of recommendations for implementing plant and business systems in such a way that interoperability is seamless, secure and reliable.

Product Code: XO-E-20		Version: 1 (2008)	
Format	Language	Member Price	Non-Member Price
e-Document	English	FREE	\$116.00

## Intercontinental Pallet and Carton Standard

The International Pallet Standard maximizes efficiency and reduces costs for global supply chains, by minimizing the number of regional and international standard pallet sizes for disposable and re-usable packaging in use.

Product Code: RC-12		Version: 2 (2012)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	FREE	\$116.00

## JAIF Global Guideline for Returnable Transport Items

This global guideline recommends the basic features of data carriers applied to returnable transport items for use within the Layer 2 and Layer 3 of the supply chain.

Product Code: XO-RC-6		Version: 2 (2017)	
Format	Language	Member Price	Non-Member Price
e-Document	English	FREE	\$116.00

## JAIF Global Radio Frequency Identification (RFID)

As the basis for global standards, this guide describes best practices, processes, and methods for item identification, verification, traceability, product characteristics and Vehicle Identification Number (VIN2) throughout the global automotive supply chain.

Product Code: B-21		Version: 2 (2017)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	FREE	\$116.00

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## Joint Automotive Industry Forum (JAIF) China B2B

The JAIF recognizes that many domestic and joint venture companies have been conducting business in China for several years. During this time, these companies may have developed and implemented B2B messaging methodologies and systems to meet their current needs. Respecting this situation, the JAIF recommendation serves to guide future investment and development so that collectively, domestic and joint venture companies can more toward and realize the benefits of the JAIF B2B messaging recommendation.

Product Code: E-17		Version: 1 (2007)	
Format	Language	Member Price	Non-Member Price
Print On Demand	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Key Performance Indicators for Global Material Management

The Key Performance Indicators for Global Material Management and Logistics provides recommended business practices for the evaluation of supplier delivery performance between trading partners.

Product Code: M-8		Version: 1 (2006)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Materials Off-Shore Sourcing (MOSS) Project

By using the Materials Off-Shore Sourcing document individuals can assess and improve their supply chain logistics in the overall timing, consistency, compliance and costs of off-shore sourcing in a just-in-time environment through transportation lanes.

Product Code: XO-M-19		Version: 1 (2009)	
Format	Language	Member Price	Non-Member Price
e-Document	English	<b>FREE</b>	\$116.00

## Optimum Shipping & Receiving Systems Handbook

This publication helps the user design a world-class automotive shipping and receiving system. Regulatory standards, automotive mandates, best-practice guidelines, application issues, and other considerations are covered.

Product Code: M-6		Version: 3 (2010)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Packaging Data Form

Packaging Data Forms across various companies are somewhat similar yet all unique. This means suppliers fill out the same data over and over on each unique form. The AIAG Standard Packaging Data Form is designed to eliminate this repetition, saving you time and reducing the potential for error.

<b>Product Code:</b> RC-16	<b>Version:</b> 1 (2014)		
Format	Language	Member Price	Non-Member Price
Adobe PDF File	English	<b>FREE</b>	<b>FREE</b>

## Parts Identification & Tracking Application Standard

Outlines the symbologies recommended for automotive part identification and tracking. Recommends the use of the linear symbologies, Code 39 or Code 128, or the 2-D symbologies, Data Matrix or QR Code.

<b>Product Code:</b> B-4	<b>Version:</b> 3 (2003) Revised 2018		
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00
e-Document	Chinese	\$29.00	\$116.00

## Plant-to-Business (P2B) Common Data Format for Communicating

Guideline identifies most common methods of Quality Measurement Data Communication for Measurement, Test and Assembly systems (MTA Systems) in use today as specified by major manufacturing companies.

<b>Product Code:</b> XO-E-19	<b>Version:</b> 1 (2008)		
Format	Language	Member Price	Non-Member Price
e-Document	English	<b>FREE</b>	\$116.00

## Port Quality Assessment (PQA) Tool

Improve quality, prevent damage, and utilize a common standard with the Port Quality Assessment (PQA) tool. The PQA tool was developed to offer Finished Vehicle Logistics personnel a process to identify, record, and improve vehicle quality issues as the vehicle moves through any given port. Logistics service providers and manufacturers sharing common quality standards improves operational efficiencies by reducing duplication, which leads to a reduction in the damage rates and a more rapid and effective handling of the vehicles.

<b>Product Code:</b> M-24	<b>Version:</b> 1 (2016)		
Format	Language	Member Price	Non-Member Price
Downloadable File	English	\$29.00	\$116.00

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## Quality Assurance Guideline for Shipping Labels

Provides a practical guide to trading partner label quality assurance.

Product Code: B-8		Version: 3 (2010)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Recommended Business Practice for Long Distance Supply Chain

Recommended practices for managing the information driving long-distance supply chains.

Product Code: M-20		Version: 1 (2010)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Returnable Transport Item Tracking (RFID Pilot) White Paper

Provides the activities and lessons learned from the RFID Pilot for Returnable Containers.

Product Code: B-18		Version: 1 (2009)	
Format	Language	Member Price	Non-Member Price
Print On Demand	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Returnable Transport Items Visibility Best Practices

Provides a number of best practices businesses can employ to increase visibility when sending Returnable Transport Items (RTIs) back to their points of origin once the parts they contained have been used.

Product Code: RC-17		Version: 1 (2014)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

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## Standardized Bill of Lading

The objective of standardizing the Bill of Lading is to ensure that the shipper, the carrier, and the customer (the consignee) are all getting the information they need for the processing of the goods through the supply chain.

Product Code: M-15		Version: 1 (2008)	
Format	Language	Member Price	Non-Member Price
e-Document	English	<b>FREE</b>	\$116.00
Downloadable File	English	\$29.00	\$116.00

## Supplier Content Reporting Requirements Workbook

This workbook includes the requirements of NAFTA. It includes an in-depth discussion of the NAFTA Rules of Origin, a content reporting business process, supplier compliance requirements with the AALA regulations, and a resource section.

Product Code: TPCPW-1		Version: 6 (2018)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Trading Partner Labels Implementation Guideline

Describes the template for bar code labels on shipping containers - both unit loads and transport packages. Physical parameters of the symbols and labels are provided and a bar code quality level is specified.

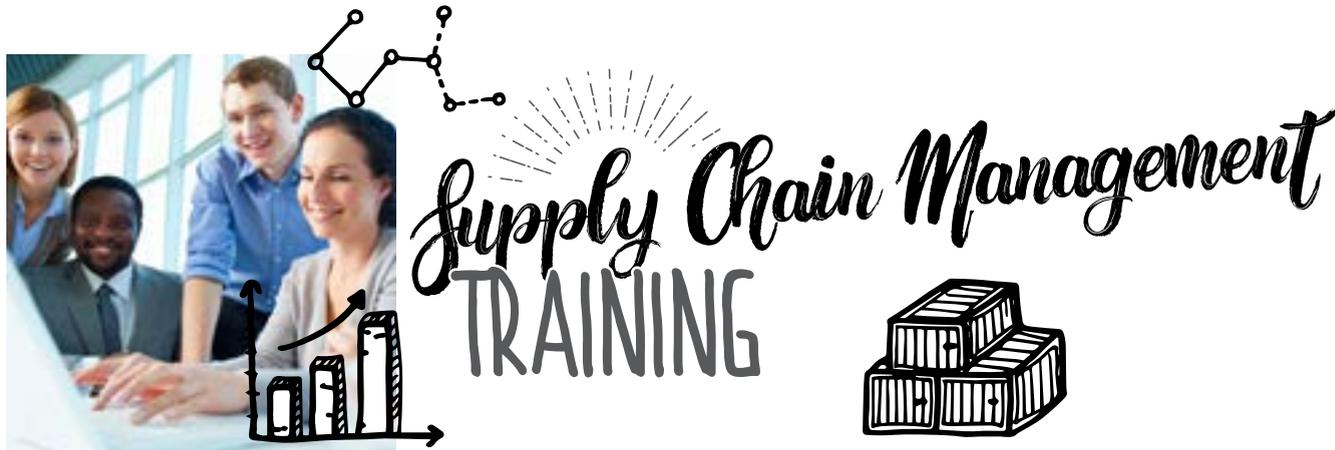
Product Code: B-10		Version: 3 (2004)	
Format	Language	Member Price	Non-Member Price
Hardcopy	English	\$29.00	\$116.00
e-Document	Chinese	\$29.00	\$116.00
e-Document	English	<b>FREE</b>	\$116.00

## Vehicle ID Number (VIN) Label Application Standard

The B-2 Standard now recommends two options for linear symbologies - Code 39 or Code 128, and two options for two-dimensional symbologies - Data Matrix or QR Code. This revision will improve the integrity of computer readable information for Vehicle Programs (e.g. Vehicle Shipping, Vehicle Inspections, and Retail Inventory Control). Revision 3.1 corrects grammatical issues and places ISO standards references for Code 39 and Code 128 into the References section.

Product Code: XO-B-2		Version: 3.1 (2018)	
Format	Language	Member Price	Non-Member Price
e-Document	English	<b>FREE</b>	\$116.00

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## Auto Industry Certificate in Purchasing and Supply Chain Management

Wayne State University, in cooperation with AIAG, offers the sixth annual non-degree certificate program designed to provide participants with an in-depth understanding of supply chain topics and issues in the context of the global auto industry.

Vehicle industry supply chain issues are especially focused on purchasing and supplier development, risk management, inbound logistics, after-market parts management and a rather unique kind of outbound vehicle transportation. Participants will learn about a broad range of vehicle industry oriented supply chain topics including SCM strategy, SCM finance, forecasting, negotiations, procurement strategy, supplier development, risk management, production operations, quality management processes and Six Sigma, trade management, logistics and transportation management.

Date(s)	Time(s)	Member Price	Non-Member Price
February 6 - December 5, 2019	3:30 PM - 7:00 PM	\$3,995.00	\$3,995.00

## B-10 Trading Partners Implementation Guideline eLearning

The B-10 describes the template for bar code labels on shipping containers - both unit loads and transport packages - to convey data between trading partners in the automotive industry. The B-10 is the preferred format for shipping labels.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line course (anytime)	On-line course (anytime)	FREE	\$150.00

## B-16 Global Transport Label Standard for the Automotive Industry eLearning

A global automotive industry standard, the B-16 describes the format for a common transport label design to facilitate the movement of goods & the exchange of data among all members of the supply chain.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line course (anytime)	On-line course (anytime)	FREE	\$150.00

## Finished Vehicle Logistics Knowledge Assessment

The Finished Vehicle Logistics Knowledge Assessment is a free, timed self-assessment, developed to test your knowledge in multiple areas of Supply Chain Management as it relates specifically to the world of finished vehicle logistics. Sections on Purchasing, Quality Management, Logistics / Port Processing, and International Trade and Customs are designed to examine your base knowledge in these key areas, and outline areas of potential future interest or professional development.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line course (anytime)	On-line course (anytime)	<b>FREE</b>	<b>FREE</b>

## Global MMOG/LE Implementation Training - Level 1

In light of global economic challenges and vehicle fluctuation and demand, it is more important than ever to focus attention on supply chain management issues including customer requirements, capacity constraints, contingency planning, sub-tier capability, resource allocation, and employee skills. This hands-on, instructor-led course is designed to improve materials management efficiency and effectiveness in your supply chain leveraging the Global Materials Management Operations Guideline Logistics Evaluation (MMOG/LE). MMOG/LE is the global standard for supply chain management processes that reduces costs from errors, waste, and workload for suppliers and customers. You will learn best practices to complete the MMOG/LE assessment tool, identify gaps and prepare action plans. Registration includes an electronic copy of the Global Materials Management Operations Guideline/Logistics Evaluation.

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
February 20, 2019	8:00 AM - 5:00 PM	\$350.00	\$495.00	0.80
May 15, 2019	8:00 AM - 5:00 PM	\$350.00	\$495.00	0.80
June 19, 2019	8:00 AM - 5:00 PM	\$350.00	\$495.00	0.80
July 10, 2019	8:00 AM - 5:00 PM	\$350.00	\$495.00	0.80
September 4, 2019	8:00 AM - 5:00 PM	\$350.00	\$495.00	0.80
October 2, 2019	8:00 AM - 5:00 PM	\$350.00	\$495.00	0.80
November 6, 2019	8:00 AM - 5:00 PM	\$350.00	\$495.00	0.80

## UPDATED! HTS Harmonized Tariff Schedule Overview

Ensure that you are compliant with customs regulations and paying the proper duty on your products. Classification is the foundation for all customs transactions, including the North American Free Trade Agreement (NAFTA). Correct classification of your products is essential for determining the appropriate fees. The Harmonized Tariff System (HTS) provides duty rates for virtually every item that exists. Special Pricing: To attend HTS and NAFTA together, contact AIAG Customer Service at (248) 358-3003. Member rate: \$800 | Non-member rate: \$1,075

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
May 7, 2019	8:00 AM - 5:00 PM	\$375.00	\$450.00	0.80
October 15, 2019	8:00 AM - 5:00 PM	\$375.00	\$450.00	0.80

\* Courses are scheduled based on demand. Contact us at [trainingcontact@aiag.org](mailto:trainingcontact@aiag.org) or (248) 358-3003 for more information.

\*\* Plexus Corp. is the Exemplar Global-Certified course provider for training at AIAG.

\*\*\* NOTE: Attendance to the entire course is required to receive a Certificate of Attendance with CEUs.



## Where you are, we are!

Through collaborations with a new group of certified training and publications partners around the world, the Automotive Industry Action Group (AIAG) is helping international automotive companies ensure that all employees have access to the same critical content in quality and materials management.

Training in Continuous Quality Improvement (CQI) and Materials Management Operations Guideline/ Logistics Evaluation (MMOG/LE) is now available in 15 countries through partners authorized to deliver this information in country and in language on AIAG's behalf.

AIAG training available in the following countries:

#### Asia Pacific:

- China
- India
- Japan
- Korea
- Taiwan
- Thailand

#### Europe

- Czech Republic
- France
- Italy
- Russia
- Spain
- U.K.

#### North America (NAFTA)

- Mexico

#### Africa

- South Africa

#### South America

- Brazil

**The same quality AIAG training you receive here in the USA is provided consistently IN Country / IN Language by AIAG globally!**

For additional information on all training and documents, please contact us at [trainingcontact@aiag.org](mailto:trainingcontact@aiag.org) or visit [www.aiag.org](http://www.aiag.org)

## Materials Management and Logistics Knowledge Assessment

The Materials Management and Logistics Knowledge Assessment is a 30 minute, timed on-line assessment that has been strategically developed to test users baseline knowledge in multiple, key Supply Chain Management areas such as Supply Chain Management Basic Concepts, Inventory Management, Inbound/Outbound Logistics, International Trade and Customs and more.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line course (anytime)	On-line course (anytime)	<b>FREE</b>	<b>FREE</b>

## MMOG/LE eLearning

This eLearning course is designed to improve materials management efficiency and effectiveness in your supply chain leveraging the Global Materials Management Operations Guideline Logistics Evaluation (MMOG/LE). MMOG/LE is the global standard for supply chain management processes that reduces costs from errors, waste, and workload for suppliers and customers. You will learn best practices to complete the MMOG/LE assessment tool, identify business integrity gaps, and prepare action plans.

Date(s)	Time(s)	Member Price	Non-Member Price
On-line course (anytime)	On-line course (anytime)	<b>FREE</b>	\$295.00

## UPDATED! NAFTA Content Reporting

The North American Free Trade Agreement (NAFTA) provides reduced or eliminated tariffs on goods originating between the United States, Canada and Mexico when strict documentation and certification procedures are met.

Developed for the automotive industry, this 2-day course addresses the NAFTA requirements that are specific to automotive products, including automotive traced values. Benefit from NAFTA and learn how to properly prepare Certificates of Origin, and understand content reporting laws, rules of origin and proof of origin requirements. Special Pricing: To attend HTS and NAFTA together, contact AIAG Customer Service at (248) 358-3003. Member rate: \$800 | Non-member rate: \$1,075

Date(s)	Time(s)	Member Price	Non-Member Price	CEUs***
May 8-9, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50
October 16-17, 2019	8:00 AM - 5:00 PM	\$625.00	\$825.00	1.50

### Explanation of Symbols



Certificate Awarded



College Credit Available



On-site Available



Self Assessment



Online Registration



E-learning/E-Training



International

\* Courses are scheduled based on demand. Contact us at [trainingcontact@aiag.org](mailto:trainingcontact@aiag.org) or (248) 358-3003 for more information.

\*\* Plexus Corp. is the Exemplar Global-Certified course provider for training at AIAG.

\*\*\* NOTE: Attendance to the entire course is required to receive a Certificate of Attendance with CEUs.

## Principles of Lean Manufacturing and Six Sigma

All organizations strive to improve efficiency and reduce waste, i.e. become 'lean' enterprises. Using a variety of methods and hands-on exercises, this course provides students with the core concepts related to managing lean organizations and implementing six sigma. Topics covered include lean principles, process capability, value stream mapping, process improvement, and six sigma implementation. The course also includes guest lecturers who share their unique, industry-based experiences with lean and six-sigma tools and concepts.

### Pre-Requisites:

This course is an overview of lean manufacturing and six sigma principles, which should provide foundational knowledge to those students looking to further their understanding or gain the basis for future certification programs. It is recommended that students have some prior exposure to manufacturing systems and processes, or have a background in supply chain management, quality management, manufacturing finance, or a related business field.

Date(s)	Time(s)	Member Price	Non-Member Price
January 9-13, 2019	8:00 AM - 5:00 PM	\$2,400.00	\$2,750.00



**New Guideline  
Now Available!**

**CYBER SECURITY**

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**3RD PARTY  
INFORMATION  
SECURITY**

**[bit.ly/AIAGcybersecurity](http://bit.ly/AIAGcybersecurity)**

# Publications, Guidelines, and Industry Standards

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18 <b>JUN</b>	<b>Supply Chain Summit</b> Laurel Manor Banquet and Conference Center   Livonia, MI
19 <b>JUN</b>	<b>AIAG Member Golf Outing</b> Cherry Creek Golf Course   Shelby Township, MI
12-13 <b>SEP</b>	<b>AIAG/SCAC Supply Chain &amp; Quality Conference</b> Charleston, SC
02-03 <b>OCT</b>	<b>Quality Summit</b> Suburban Collection Showplace   Novi, MI
16-17 <b>OCT</b>	<b>IMDS &amp; Product Chemical Compliance Conference</b> The Mint   Southfield, MI
07 <b>NOV</b>	<b>AIAG Customs Town Hall</b> The Mint   Southfield, MI



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