

# QUALITY >>>



## Special Processes

The goal of the AIAG Special Process Initiative is the reduction of campaigns, spills, recalls and warranty claims related to components from "Special Processes." The Special Process Initiative is comprised of individual work groups that develop assessments that are based on best practices and designed to provide a means of continual improvement, emphasizing defect prevention and reduction of variation and waste in the supply chain

The AIAG Special Process System Assessments are applicable to sites where customer-specified parts for production and/or service are processed throughout the automotive supply chain.

### **Special Process: Plating & Coating Work Group**

The first edition of both the CQI-11 and CQI 12 were released in August 2007 and like CQI-9 Heat Treat, quickly became the global "standard" for assessing an organizations plating or coating processes. The 2nd editions of both documents were published in 2012 and provided additional clarification for global users, more user-friendly format based on customer feedback, and new process tables were added to both documents.

The Plating and Coating work groups are now working together as one team to develop 3rd editions of each Plating and Coating Assessments. The team will harmonize common practices between the Plating, Coating and Heat Treat assessments on the pyrometry requirements, including instrumentation, thermocouple checks, and temperature uniformity surveys, where appropriate. The Management Responsibility and Quality Planning section, and Floor and Material Handling Responsibility section of the Plating and Coating assessments will also be harmonized.

### **Special Process: Heat Treat Work Group**

The first edition of CQI-9 was released in March 2006 and quickly became the global "standard" for assessing an organizations heat treat processes. Over the years the Heat Treat work group has received questions asking for clarification and suggestions on how they could

improve the assessment. The 2nd edition was published in 2007 and provided additional clarification considering global users, and a new process table was added for Annealing, Normalizing and Stress Relieving. The 3rd edition was published in October 2011 and included three new process tables, changes in frequency for SAT and Instrument Calibration, formatting and clarification among other items too numerous to list.

The work group is now developing the 4th edition of the Heat Treat Assessment. This new edition will focus on clarification to the process tables and pyrometry requirements, and a major change to the formatting of the assessment from Excel to a Word format to allow for greater flexibility in writing observations and notes, and will include hyperlinks to the Process Tables.

### **Special Process: Molding/Casting training**

This one-day class will teach you to 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.

- Review requirements for assessment procedures and frequencies
- Review the internal assessment process and assessor qualifications
- Review the documented assessment procedure, checklists, and share best practices

This one day class will teach you to 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.

- Review requirements for assessment procedures and frequencies
- Review the internal assessment process and assessor qualifications
- Review the documented assessment procedure, checklists, and share best practices