

BEST IN CLASS SPECIAL PROCESS ASSESSMENTS FOR THE AUTO INDUSTRY

(special processes)

SOLUTION

AIAG developed and published special process assessments for heat treat, coatings, plating, welding, soldering, molding and casting based on industry best practices. These assessments were created by OEMs, Tier One suppliers, and special process suppliers.

BENEFIT

Through the assessment, a supplier can identify areas and capabilities that need improving at its special process facilities. Benefits include a reduction of campaigns, spills, recalls, and warranty claims related to special process components. Adopting these best practices, a special process supplier can demonstrate its ability to consistently provide products that meet customer and applicable regulatory requirements, and enhance customer satisfaction through the effective application of the system, including processes for continual improvement.

SITUATION

A special process is any production or service process that generates products or services that cannot be measured, monitored, or verified prior to delivery and use. In addition, the end results of a special process cannot be checked without destructive testing. An unsatisfactory level of component performance from special processes has resulted in field actions and warranty claims. Variation in the process affects the quality, reliability, and durability of the component and is not easily detected prior to use.

PARTICIPATING COMPANIES

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|-----------------------------|-------------------------------|
| Acadian Group | Ford Motor Company |
| Acument Global Technologies | General Motors |
| Advanced Heat Treat | Henkel |
| Akebono Brake | Honda of America |
| A.R.E. Accessories | Manufacturing |
| Atotech Group | Howard Finishing |
| Bodycote Thermal Processing | Magni Industries |
| City Plating | MNP Corporation |
| Chrysler Group | Modern Plating |
| Columbia Chemical | Nexteer Automotive |
| Commercial Steel Treating | Plating Technology |
| Controls Service | PPG Industries |
| Coventya | Reilly Plating |
| Curtis Metal Finishing | Robert Bosch |
| Dana | Textron Fastening |
| Delphi | Toyota Motor Engineering |
| Dipsol of America | & Manufacturing North America |
| Doerken | TRW Automotive |
| Eaton | Ventra Plastics |
| Emhart Industries | Visteon |
| Enthone | Volvo Group Trucks |
| Fintex | ZF Group |