

## Error Proofing Techniques

<b>Target Audience</b>	Manufacturing and Quality Personnel with responsibility eliminate manufacturing defects		
<b>Course Description</b>	<ul style="list-style-type: none"> <li>• Participants will be able to:             <ul style="list-style-type: none"> <li>Identify the need for Error Proofing</li> <li>Define Error Proofing</li> <li>Outline the relationship between PFMEA and Error Proofing</li> <li>Demonstrate how to evaluate, implement and measure the effectiveness of Error Proofing</li> <li>Review Error Proofing “best practice” examples</li> <li>Perform hands-on Error Proofing workshop</li> </ul> </li> </ul>		
<b>Prerequisites</b>	Students should be familiar with basic FMEA concepts as described in the AIAG or SAE J1739 Potential Failure Modes and Effects Analysis Handbook.		
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>• Define and identify the need for Error Proofing             <ul style="list-style-type: none"> <li>Why Error Proofing is needed</li> <li>Benefits</li> <li>Demonstrate how to evaluate, implement and measure effectiveness of Error Proofing</li> <li>Difference between Error Proofing and Mistake Proofing</li> <li>Understand the relationship of Error Proofing and other Quality Tools</li> <li>Understand the relationship between PFMEA and Error Proofing</li> <li>Understand how to evaluate, implement and measure effectiveness</li> <li>Increase customer satisfaction by decreasing or eliminating defects</li> <li>Examples of different types of Error Proofing</li> </ul> </li> <li>• Review Error Proofing “best practice” examples</li> <li>• Perform hands on Error Proofing exercises</li> </ul>		
<b>Course Length</b>	8 Hours		
<b>Hardware/Software Needs</b>	None		
<b>Instructional Techniques</b>	<table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top;"> <ul style="list-style-type: none"> <li>• Lecture</li> <li>• Individual Exercises</li> <li>• Team Exercises</li> </ul> </td> <td style="vertical-align: top; padding-left: 20px;"> <ul style="list-style-type: none"> <li>• Class Discussion</li> <li>• Individual Self-Tests</li> </ul> </td> </tr> </table>	<ul style="list-style-type: none"> <li>• Lecture</li> <li>• Individual Exercises</li> <li>• Team Exercises</li> </ul>	<ul style="list-style-type: none"> <li>• Class Discussion</li> <li>• Individual Self-Tests</li> </ul>
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