



Six Sigma - JLR Supplier Green Belt Training Programme Outline

Summary: A Green Belt level programme designed to increase skills and confidence in Problem Solving and Process Improvement. The training material is provided by Jaguar Land Rover and is based around the DMAIC methodology. It includes a comprehensive range of tools and guidance on completion of JLR's Standardised Problem Definition (SPD) template and "6 Panel" reporting Format. The programme includes certification to Green Belt level and a range of support packages to help delegates and their businesses gain the most from the programme.

Aimed at: All people engaged in Problem Solving and Process Improvement activities

Prior qualifications/experience: No specific qualifications/experience is required although an interest in figures is beneficial

Duration and Format: 5 days scheduled consecutively in 1 week

Software Specification: The programme incorporates basic training in Minitab and delegates will ideally need access to this during the training and to complete their project for certification

Objectives: By the end of the programme, participants will be able to:

- Confidently apply the Six Sigma methodology to any problem
- Confidently apply appropriate tools and techniques to improvement projects
- Monitor own and other's progress in the completion of improvement projects

Content:

<p><u>Module 1 – Introduction and Define</u> Standardised Problem definition Problem Statements Is/Is Not Voice of Customer tools Containment Planning Lean concepts SIPOC and Process Mapping Cause and Effect tools FMEA overview Y=f(x) P-Diagram</p>	<p><u>Module 3 – Analyse</u> Root Cause Analysis Graphical analysis tools including histograms, scatter plots and box plots DOE</p>
<p><u>Module 2 – Measure</u> Measurement and Variation Data types and Distributions MSA Sampling and Data collection planning Capability Analysis</p>	<p><u>Module 4 – Improve, Control & Replicate</u> FMEA overview Cost Benefit Analysis Pilot studies Verification Error Proofing Standardised Work Control Charts Control/Reaction plans</p> <p>Module 5 DMAIC consolidation case study and group activity</p>

Leadership and Personal Development, Strategic Management, Lean Six Sigma & Quality Tools