

PFMEA & CONTROL PLAN TRAINING

Do you need to understand the specific Nissan requirements of Process Flow, PFMEA & Control Plan and how they link to Nissan's NPQP requirements?

THIS TRAINING ADDRESSES:

• Process Flow

- Addressing all process steps
- Common activity symbols

• PFMEA

- Identifying all failure modes and causes
- Applying Severity, Occurrence and Detection to understand and correctly determine risks
- Special Characteristics and Key Features Diagram applications

- Use of Poka-yokes for high severity features
- RPN calculations and when to take actions

• Control Plan

- Connecting your Process Flow Chart and PFMEA to the Control Plan
- Applying Special Characteristics and Key Features to the Control Plan
- Identifying Product and Process Characteristics and their controls

- Controls utilized to maintain product and process parameters including maintenance and calibration

• Review of existing Process Flow Chart, PFMEA & Control Plan for Nissan requirements

• Opportunities for improvement of existing documentation and process

PREREQUISITES:

- Understanding of AIAG requirements
- Understanding of NPQP requirements
- Basic understanding of Process Flow / PFMEA & Control Plan is helpful but not a requirement

REQUIREMENTS:

- Business email account
- Hard copy of Process Flow Chart, PFMEA & Control Plan and internal inspection report or access to electronic copies (laptop with Excel suggested)
- Supplier site code or corporate code if corporate employee



NISSAN SUPPLIER QUALITY TRAINING PROGRAM

TMEP's Nissan Supplier Quality Training program is developed in conjunction with Nissan North America quality professionals, the Mississippi State Center for Advanced Vehicular Systems (MS CAVS), and the Center for the Development of the Automotive Industry in Mexico (CeDIAM) at the Monterrey Institute of Technology and Higher Education (ITESM).

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PROBLEM SOLVING & 8D TRAINING

Do you need to understand the specific Nissan requirements and methodology for addressing problems as they occur and how they link to NPQP requirements?

THIS TRAINING ADDRESSES:

- **Process Flow**
 - Addressing all process steps
 - Common activity symbols
- **Review of 8 steps in Nissan's methodology and expectations for Problem Solving**
- **Use of Problem-solving core tools**
 - Hands on exercises utilizing Fishbone / Fault Tree Analysis (FTA) / Five Why (5 Why)
 - Others
- **Validation and verification of countermeasures**
- **Follow-up actions, lessons learned and actions to prevent occurrence**
- **PQE review of 8D on submittal**
- **Assessment of completed 8D**
- **8D connections to PFMEA & Control Plan**
- **Opportunities for improvement of existing documentation and process**

PREREQUISITES:

- Understanding of AIAG requirements
- Understanding of NPQP requirements
- Basic understanding of Problem Solving and Problem-solving Tools

REQUIREMENTS:

- Business email account
- Hard copy of a Nissan completed 8D or electronic access to the information
- Supplier site code or corporate code if corporate employee



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FIREWALL TRAINING

Do you need to understand what Nissan means when they say Firewall?

Firewall is not just a reactive containment process to capture issues when problems arise, but a proactive approach to improve your internal processes.

In this session you will learn how to benchmark your containment activities against a World Class process for containment. This includes steps to develop, implement and manage this process and meet NPQP requirements.

THIS TRAINING ADDRESSES:

- Defining the step-by-step approach and pitfalls to avoid when developing and implementing a Firewall
- Utilizing data and information gathered from the Firewall process to identify countermeasures and identify improvement activities
- Determine the effectiveness of your current containment activities and identify opportunities for improvement

PREREQUISITES:

- Understanding of AIAG requirements
- Understanding of NPQP requirements
- Basic understanding of current containment activities

REQUIREMENTS:

- Business email account
- Inspection instruction from current/recent safe launch or containment activities
- Supplier site code or corporate code if corporate employee



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4M CHANGE MANAGEMENT TRAINING

Do you struggle with 4M Change Management; not sure when it does or does not apply from Nissan's perspective?

In this session you will learn how to benchmark your 4M Change Management Process against a World Class process. This includes Nissan's specific requirements of what they expect to see when reviewing your 4M Change Process

THIS TRAINING ADDRESSES:

- Defining the requirements of NPQP as it relates to 4M Change Management.
- Nissan's step by step methodology of establishing and managing a good 4M Change Management Process.
- Understanding the impact of doing it wrong.
- Examples of 4M Changes specific to Nissan and hands-on activities make the process more relatable.
- Determine the effectiveness of your current 4M Change Management activities / process and identify opportunities for improvement

PREREQUISITES:

- Understanding of AIAG requirements
- Understanding of NPQP requirements
- Basic understanding of current containment activities

REQUIREMENTS:

- Business email account
- Inspection instruction from current/recent safe launch or containment activities
- Supplier site code or corporate code if corporate employee



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