

**SUPPLIER QUALITY ASSURANCE MANUAL
FOR PARTS AND RAW MATERIALS**

***** QUALITY ASSURANCE FOR TRIAL PRODUCTION *****

**SECTION 17 - PROCESS FAILURE MODE AND EFFECTS ANALYSIS
(PFMEA)**

PURPOSE: To provide an explanation of the Process Failure Mode and Effects Analysis (PFMEA) and submission procedure for DENSO.

SCOPE: Applies to Suppliers of production parts and raw materials when specified on the Notification of Quality Assurance Requirements.

EXPLANATION:

A PFMEA is used to identify potential weak areas in the manufacturing and assembling process. Cross-functional teams should be organized to study each step of process for possible failure modes, effects of failures, and potential causes. Countermeasures must be provided for failure modes with high Risk Priority Numbers (RPN). Also, regardless of the resultant RPN, special attention must be given when Severity is high.

SUPPLIER RESPONSIBILITIES:

1. Supplier is responsible for submitting a PFMEA per the NQAR (Reference AIAG manual "Potential Failure Mode and Effects Analysis (PFMEA)").
2. Supplier may be responsible to resubmit a PFMEA if a potential change to the production process is being considered such as: a DENSO Engineering Change, Process Change Request, Design Change Request, or countermeasures (Reference Section 40 - Process Change Request (PCR), Reply/ Design Change Request (PCR)/ Engineering Change Instruction (ECI)).

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