

Developing an Efficient Design FMEA



1

Planning For FMEA

Gather:

- Data/Warranty Information (TGW)
- Team :
 - ✓ Design Owner
 - ✓ Process Representative
 - ✓ PVT-Problem Data Person
 - ✓ Supplier as appropriate
 - ✓ Design Contrarian
 - ✓ Process Representative

Planning
- Team Selection

Create
Boundary
Diagram

Create
Interface
Matrix

Create
P Diagram

2

FMEA Development

Review
Specification
For Applicable
Item

Enter Functions
Into Columns

Enter all Failure
Modes one after
Another
- Error Status

Enter Effects of
Failure and Select
Severity
Effect and Error States

B

Note:

- If on paper leave plenty of space for further analysis

Types of Failures:

- Error States
- Full Failure
 - Partial
 - Intermittent
 - Unintended

- List up to 5 in the same box (grouped) per each failure mode
- Place severity # beside each effect in parenthesis ex: (4)
- Place largest severity of the group into severity column

•Refer to Severity Chart for Scale

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