Facilitated Design FMEA

**Inputs**
- Project Requirements Document
- Consider All functions: Design, Reliability/Quality, Service, Manufacturing, Key Suppliers, Facilitator
- Pre-Work Input Documents: Sketches/models/jpeg, Surrogate DFMEA, Req. Spec. document, Regulatory requirements, COP requirements, Robustness Tools
- Development Documents: Product drawings, Samples/prototypes, Warranty data, Test plans & data (TIRs), Surrogate failure data
- Characteristics Classification: Critical (Sev >9, Occ>1), Significant (Sev 4-8, Occ>3)
- Actions Log: Completed actions, Test/analysis results, Additional failure data

**Outputs**
- Required DFMEAs determined
- Team members assigned
- Time requirements determined and pre-work & development sessions scheduled
- Pre-Work: Robustness Tools
- Pre-work: Design Functions developed
- DFMEA Development
- DFMEA Published
- Special Characteristics Identified
- Recommended Action Follow-up
- DFMA revisited: Occurrence & Detection re-evaluated

**DFMEA Requirements Plan**
- Robustness Documents: Boundary Diagram, P-Diagram, Interface Matrix
- Preliminary DFMEA: Functions identified, Failure modes identified
- Completed DFMEA: Recommended Actions assigned, w/ dates and responsibility
- Collection of all input and output documents published to team: One hard copy, All files controlled on share drive
- Preliminary Characteristics Matrix
- Actions Log: Open Issues database
- Revised DFMEA: Recommended Actions updated, Occurrence, Detection re-ranked, RPN recalculated, Additional actions assigned