

DEPARTMENT MR	OEC-MR-QS-O-03	ISSUE DATE 2015-12-01	REVISION # 0.0
	FAILURE MODE EFFECTS ANALYSIS		PAGES 1 of 1

Annexure 3

**Process / Product
Failure Modes and Effects Analysis
(FMEA)**

Process or Product		Prepared by:	Page ___ of ___
Responsibility		FMEA Date (Orig) _____ (Rev) _____	

Process Function	Potential Failure Mode	Potential Effects of Failure	S E V	Potential Cause(s)/ Mechanism(s) of Failure	O C C	Current Process Controls	D E T	R P N	Recommended Action(s)	Responsibility and Completion Date	Action Results				
											Actions Taken	S E V	O C C	D E T	R P N
The highest value process steps from the C&E matrix.	In what ways might the process potentially fail to meet the process requirements and/or design intent?	What is the effect of each failure mode on the outputs and/or customer requirements? The customer could be the next operation, subsequent operations, another division or the end user.	How Severe is the effect to the customer?	How can the failure occur? Describe in terms of something that can be corrected or controlled. Be specific. Try identify the causes that directly impacts the failure mode, i.e., root causes.	How often does the cause or failure mode occur?	What are the existing controls and procedures (inspection and test) that either prevent failure mode from occurring or detect the failure should it occur? Should include an SOP number.	How well can you detect cause or FM?	SEV x OCC x DET	What are the actions for reducing the occurrence, or improving detection, or for identifying the root cause if it is unknown? Should have actions only on high RPN's or easy fixes.	Who is responsible for the recommended action?	List the completed actions that are included in the recalculated RPN. Include the implementation date for any changes.	What is the new severity?	What is the new process capability?	Are the detection limits improved?	Recompute RPN after actions are complete.