

Failure modes and effects analysis (FMEA)

Project:

Phasor Data Network FMEA

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FMEA Team:

NASPI DNMTT

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SEV = How severe is effect on the customer?
OCC = How frequent is the cause likely to occur?
DET = How probable is detection of cause?
RPN = Risk priority number in order to rank concerns; calculated as SEV x OCC x DET

Component	Potential failure mode	Potential failure effects	S E V	Potential causes	O C C	Current process controls	D E T	R P N	Actions recommended	Responsibility (target date)	Actions taken	N S e E w V	N O e C w C	N D e E w T	N R e P w N
What is the component?	In what ways can the component fail?	What is the impact on the customer if the failure mode is not prevented or corrected?	10	What causes the component to fail? (i.e., How could the failure mode occur?)	10	What are the existing controls that either prevent the failure mode from occurring or detect it should it occur?	10	1000	What are the actions for reducing the occurrence of the cause or for improving its detection? You should provide actions on all high RPNs and on severity ratings of 9 or 10.	Who is responsible for the recommended action? What date should it be completed by?	What were the actions implemented? Include completion month/year (then recalculate resulting RPN).	10	10	10	1000
GPS															
PMU															
PDC															
Communication Network															