

“Analyze” Tollgate Review and Deliverables...

Analyse Tollgate Review:

Failure Modes and Effects Analysis (FMEA) (Qualitative Analysis)

- Has the Preliminary FMEA been developed? _____ (Yes or No)
 - Has the Team drilled down on at least the five Key Inputs determined through the C&E Matrix _____ (Yes or No)
- Has the team discovered any quick wins from the FMEA? _____ (Yes or No)
 - If so, how are they being dealt with?

Quantitative Analysis

- What Statistical Tools were used to analyse the data?

- Has the team gathered data for a Mult-Vari Analysis to determine the “Critical Few” Variables? _____ (Yes or No)
- Has the team used the Basic Quality Tools to graphically analyse the data? _____ (Yes or No)
- Has a Hypothesis statement(s), null hypothesis and alternative hypothesis has been developed for the data analyzed? _____ (Yes or No)

Quantifying the Gap/Opportunity

- What is the cost of poor quality (COPQ) as supported by the team's analysis?

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- What are the revised rough order estimates of the financial savings/opportunity for the improvement project?

- Have the problem and goal statements been updated to reflect the additional knowledge gained from the analyse phase? _____ (Yes or No)
- Have any additional benefits been identified that will result from closing all or most of the gaps? _____ (Yes or No)
 - If yes, what were those additional benefits?

- What were the financial benefits resulting from any 'ground fruit or low-hanging fruit' (quick fixes)?

Analyze Stage Deliverables:

- Revised Charter problem statement reflecting an increased understanding of the problem
- Additional Sources of Variation statistically quantified and prioritized
- Use and display Multi-Vari tools to identify and verify the “Vital few” (Knob Variable) factors
- Graphical analysis and interpretation of data using Basic Quality Tools
- Correlation and Regression Analysis (if Applicable)
- Hypothesis statement(s), null hypothesis and alternative hypothesis has been developed for the data analyzed
- Hypothesis test output, p value and interpretation of the data
- Any red flags with project or project scope and recommendations to resolve
- Red flags and recommendations for resolving them defined
- Next steps documented
- Approval of report out signed by Project Champion

Project Champion Approval:

Project Champions Name

Project Champions Signature