



BUILDING RCFA AS PART OF A STRUCTURED SYSTEM

STEP 1 : CONDUCT TRAINING ON ROOT CAUSE FAILURE ANALYSIS



- Provide schedule & frequency for Knowledge-based training for RCFA to all concern
- Conduct brief Management Presentation (3 to 4 hrs)
- Management to set expectation to participants

STEP 2 : LIST FAILURE MODES TO DETERMINE WHICH WILL UNDERGO RCFA (APPLY 80 : 20 rule)



- Assign someone to study failures modes and recurring failures encountered
- Identify a common RCFA Facilitator, seek third party consultants for guidance
- Determine severity of failure modes, its cost and consequences
- Number of breakdowns, MTBF and downtime
- Set goals on these measurements

STEP 3 : CONDUCT THE RCFA ANALYSIS



- Define the roles of team members of the RCFA team
- Set up the RCFA teams based on the failure determined
- Proceed with the RCFA Analysis and determine the Physical, Human and Latent Cause of the Problem

STEP 4 : RECOMMENDATION OF THE IMPROVEMENT PLAN



- RCFA teams to present to management regarding their analysis & recommendation
- Recommendation should be two folds, first to address the physical cause and second to address both the Human and Latent Roots of the problem
- Management must approve the improvement plan if it is feasible

STEP 5 : IMPLEMENTATION OF RCFA IMPROVEMENT PLAN



- Plan for the implementation of the team's countermeasure and improvement
- Validate and check the effectiveness of the countermeasure
- Revise or generate specs and whenever necessary
- Document RCFA Case study & submit to concerned parties

STEP 6 : MEASURE KEY INDICATORS ON RCFA



- Determine if goals and KPI's have been achieved
- Determine impact on cost, ROI, MTBF, Breakdown Occurrences, Downtime, etc.,
- Set countermeasures for goals that had not been achieved

STEP 7 : SHARE LESSONS LEARNED AND CELEBRATE SUCCESS

- Educate & conduct awareness to other levels of the organization
- Horizontal Replication or fan-out of countermeasure for equipment's with the same operating context and problems only
- Provide simple recognition to successful RCFA teams