**Step 3 – Root Cause Analysis Models – Part Two**

Consider the root cause analysis systems used at your organization:

1. Which of these models have been used to investigate a failure at your organization? If it’s not a task you’ve participated in, ask your supervisor or other leader.
   * Sequence of Events
   * Fault Tree Analysis
   * Change Analysis
2. Think of 3 failures you’ve encountered that would be suited to each of the 3 models. Why did you choose that model for that failure?
   * Sequence of Events: Considers the incident, events, qualifiers, forcing functions and assumptions
   * Fault Tree Analysis: Used to analyze a system for reliability, safety and maintainability, either proactively or after a complex failure
   * Change Analysis: What changed that may have contributed to the failure? (What, When, Where, How, Who)
3. Identify an event that triggers an RCA or identify a recurring failure or problem to address. Apply what you’ve learned about Target Conditions, Notifications, Clarification/Classification. Then, choose one of the 3 models and apply it to this problem.
   * How did applying a systematic investigation process help?
   * What made you choose the model you did for the type of failure?
   * What benefits did you discover by using RCA instead of not using a system?