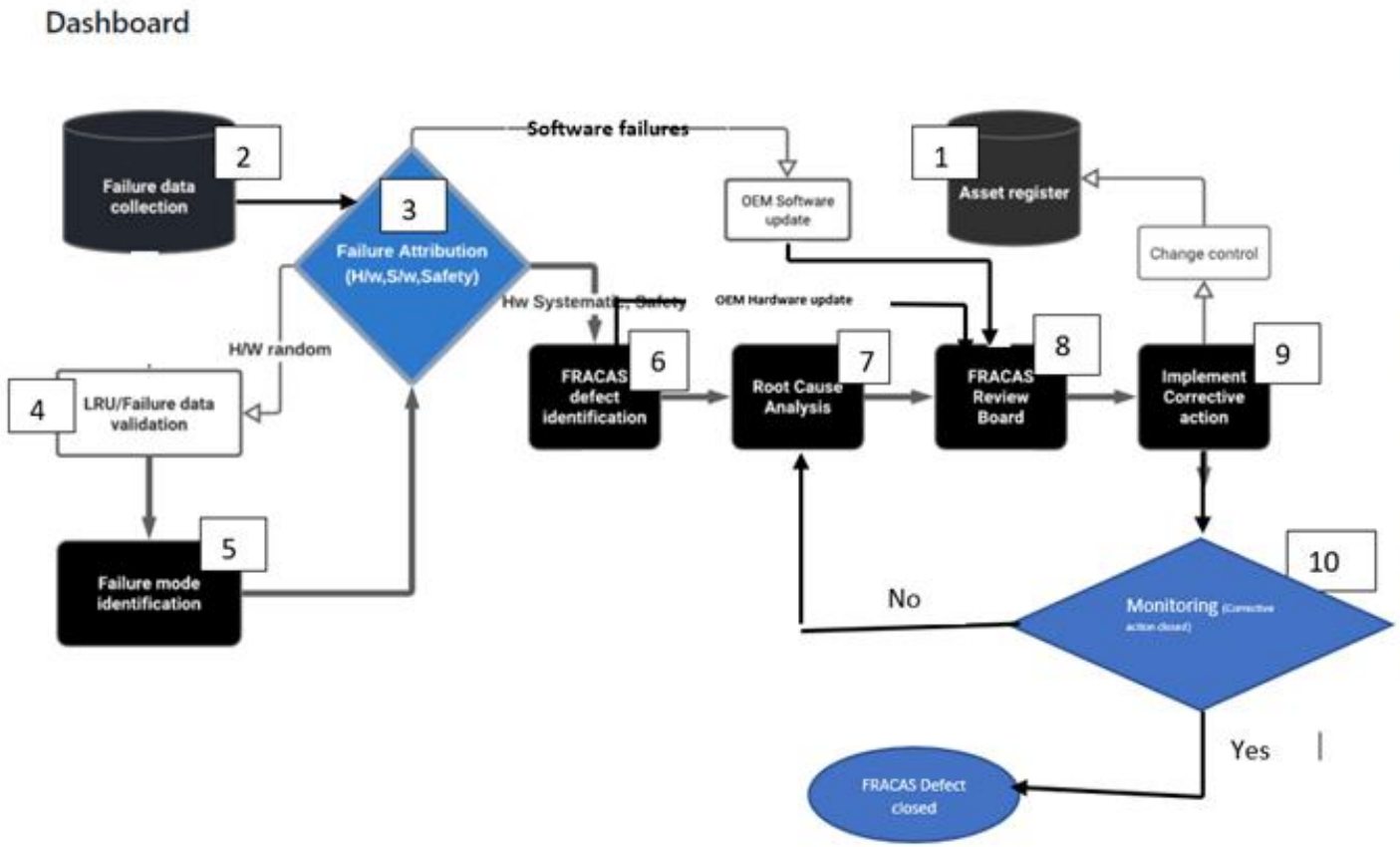
Asset Optima workflow



1. Config. Details of assets under FRACAS process
2. Periodic failure data collection
3. Systematic faults under FRACAS
4. Random failure against RAM targets
5. Grouping faults under failure modes
6. Facilitate identification of underlying Defects
7. Facilitate RCA workshops
8. Capture FRB minutes (Defect closure)
9. Monitor Corrective actions
10. Monitor reoccurrence of failure on resolved defects

Asset Optima implementation in a Project

- Efficient monitoring and resolution of failures and underlying defects
- Comply with EN50126 FRACAS requirements
- Demonstrate compliance to System-subsystem-LRU RAM targets
- Facilitate failure data collection from user entry or data downloads
- Facilitate attribution of random/software/hardware failures
- Maintains asset configuration data, Reliability growth targets, RAM targets
- Facilitate identification and management of FRACAS defects
- Facilitate Root Cause Analysis
  - Facilitate a structured analysis to identify root cause of a FRACAS defects
  - Presents history of root causes determined
- Monitor and management of internal corrective actions and OEM
- Provide online action/progress log capture of FRACAS review board meetings
- Generate actual/deterministic/stochastic Reliability growth reports for RAM demonstration
- Suitable for FRACAS implementation of all railway systems namely Rolling stock, signalling, power, track, comms, station systems
- Online Web based tool - Can support multiple users and integrate with Asset management system

Asset Optima features

- Online Web based tool - Can support multiple users and integrate with Asset management system
- Failure data collection – User entry as well as data segregation from Rolling stock/control system data downloads
- FRACAS issue:- Facilitate identification systematic/software/safety faults.
- Root cause analysis – Facilitate root cause analysis using structure methods
- Corrective action monitoring - Facilitate monitoring of effectiveness of condition monitoring
- Asset Register - maintains configuration management at the LRU level
- Obsolescence management –Monitors obsolescence status and formulate maintenance strategy
- Reliability Growth Prediction – Predict reliability growth using deterministic and probabilistic models
- RAM demonstration – Monitor reliability growth against reliability growth as well as contractual RAM targets