



# Failure Reporting, Analysis and Corrective Action System



Failure Reporting, Analysis, and Corrective Action System (FRACAS) is the process by which failures are reported in a timely manner and analyzed with corrective actions devised and implemented to eliminate or mitigate the recurrence of failures. FRACAS is a closed loop system improving asset performance by adjusting maintenance programs and/or improving asset design. The “closed loop” in FRACAS refers to the systematic manner in which every issue is reported and addressed, ensuring that no failure or incident is missed. The FRACAS process is a major contributor for achieving continuous in-service asset reliability.

## Solution

Wipro's Enterprise Asset Management (EAM) consulting practitioners bring years of experience developing, streamlining, and implementing Failure Reporting, Tracking and Corrective Action Systems. The team has developed unique capabilities that include:

- Risk assessments
- Training and coaching on RAM, RCFA, FMEA, FMECA, RCM and RAM Modeling
- Work management

- Balanced sets of Key Performance Indicators
- EAM systems implementations

Our team of consultants empowers our clients to achieve their strategic objectives from a single source provider.

## Deliverables

Implementation of FRACAS process:

- Process developed and documented via procedures, including process triggers
- Process implemented via EAM system
- Failure codes developed

## Supported by

- RAM (Reliability, Availability and Maintainability) training
- RCM (Reliability-Centered Maintenance) training
- FMECA (Failure Modes, Effects and Criticality Analysis) training
- RCFA (Root Cause Failure Analysis) training
- ARS (Asset Reliability Strategy) training
- KPI (Key Performance Indicators) and trending reports





## Benefits

- Implements a structured reporting system integrated with corporate EAM
  - Provides structure to failure codes
  - Delivers on-demand asset performance
  - Optimizes maintenance and reliability programs
  - Enhances safe operations
  - Improves and sustains environmental integrity
  - Eliminates and/or mitigates risk
  - Improves asset reliability and availability
  - Minimizes asset total cost of ownership
  - Provides a documented record of improvements
- Improves RAM performance of similar equipment designs, operating under similar conditions

**Improving asset performance by adjusting maintenance programs**



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