**What is it?**
It is a continuous improvement system utilizing a closed-loop feedback path in which the entire organization works together to collect failure data, prioritize the failures according to risk, analyze the riskiest failures to get to the root cause and implement corrective actions to eliminate repetitive failures.

**Why use it?**
While FRACAS can be useful throughout an asset’s lifecycle, it is most valuable as a tool for evaluating failures that could not be eliminated during the design phase. When your assets are not meeting desired or necessary levels of reliability due to the amount of unplanned failures or faults, FRACAS can help.

Some of the benefits include:
- Increased chances of meeting reliability requirements
- Decreased downtime or increased availability
- Decreased total cost of ownership or life cycle costs

- Increased regulatory compliance
- Decreased cost due to loss of product or warranty claims
- Increased customer satisfaction

**What factors are critical for success?**
- Have a formalized and documented process or procedure for FRACAS
- Confirm all failures, faults and problems are recorded and reviewed
- Create a prioritization method for the failures

- Ensure a robust Root Cause Analysis (RCA) process exists
- Verify corrective actions reduce failures and do not allow reoccurrence
- Provide training for all personnel involved in FRACAS

**How do you use it?**

**Failure Reporting:**
- Document all failures in database
- Verify failure data is accurate and recorded properly

**Failure Prioritizing:**
- Review failure trends and biggest issues
- Prioritize failures by cost, occurrences, cost, etc.
- Assign riskiest failures to analysis team

**Failure Analysis:**
- Gather relevant information about failures
- Determine root cause(s) of failure
- Present results for disposition

**Corrective Action:**
- Develop suitable corrective actions
- Implement corrective actions
- Document and distribute findings