

Maintenance Strategy Review and the SRCM Process

Proven expertise in Reliability Centered Maintenance (RCM)



There are many methods to conduct a Maintenance Strategy Review. Your SKF consultant can expedite the process using SRCM and a proven tool – Asset Management Support Tool (AMST). Using AMST adds an abundance of functionalities to support your maintenance strategy development, implementation and continuous improvement.

SRCM is a Reliability Centered Maintenance process that requires less time and resources than traditional RCM programs. SRCM focuses on dominant failure modes and the significant effects of those failures, then recommends actions to prevent their occurrence. Non-critical effects are also evaluated and cost-effective strategies developed to address them.

Benefits of performing the SRCM process include:

- Optimized maintenance costs
- Increased productivity and profitability
- Maintenance transformed from a cost to a profit center
- Maintenance treated as a strategic process
- Positive changes to the maintenance culture
- Documented maintenance program based on the organization's business goals

How do you know you are conducting the right maintenance, on the right equipment, at the right time, with the right person, for the right reasons? Together with your management, SKF consultants will identify what constitutes business-critical failures to create a focused and justified maintenance program.

The SRCM process not only can produce improved reliability and availability, but also stimulates the workforce culture by;

- Improving inter-departmental communications
- Strengthening inter-departmental collective unity
- Ideas interchange and innovation
- Understanding failures and thinking proactively

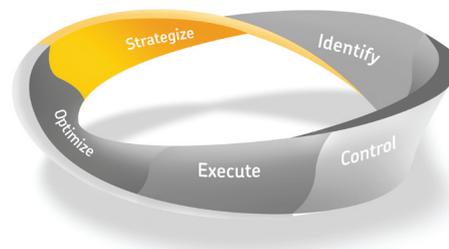
Our customers continue to become more proactive in executing their maintenance programs and the way they think about maintenance.

Your SKF consultant will identify all applicable needs through various methods, including the SRCM process – one of the first building blocks of the Asset Efficiency Optimization (AEO) model. This can be facilitated by using the Asset Management Support Tool, a Windows®-based, stand-alone, modular software tool to produce consistent results. SKF Asset Management Services templates allow users and facilitators to select maintenance data per an individual asset type.

In-depth asset criticality analysis

In the SRCM process, SKF consultants support the system functions by concentrating on the most significant failure modes and the most dominant plant effects for each, all contained in one asset record. Management and SKF experts agree on criticality based on failure effects and predetermined critical criteria. For critical assets, the SKF analyst selects failure causes associated with the dominant failure modes and effects that need to be eradicated through a planned maintenance program. The analyst then recommends the most applicable and effective tasks that address the failure mode and cause. Design changes are considered appropriate and recommended if a failure cause cannot be reconciled.

SKF Asset Management Services focuses on Strategize, Identify, Control, Execute and Optimize. The SRCM process fits into the Strategize facet and has benefits throughout the continuum.



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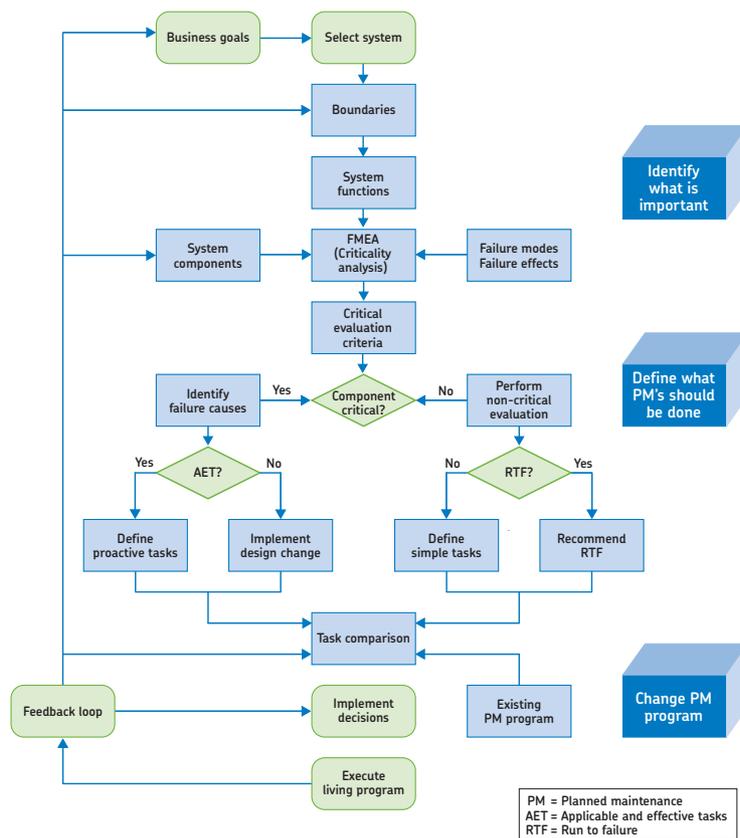
Non-critical analysis and planned maintenance task recommendations

A recommended Planned Maintenance (PM) program for non-critical assets is developed by evaluating the cost benefit of maintaining existing PM tasks; identifying new PM tasks; or allowing the asset to run to failure and perform corrective maintenance when required.

The SRCM process, now even more effective with AMST, is a step-by-step process to identify what is important, define what should be done, and facilitate continuous improvement.

The results from an SRCM analysis include clearly identified preventive, predictive or condition monitoring tasks – who performs the tasks (maintenance, operations or engineering) and on what schedule. Outputs also typically include an updated asset register and vital data that can be used in your CMMS system. Your SKF consultant can discuss the benefits to expect, their timing and magnitude using the SKF Documented Solutions Program.

The SRCM process model



Industry standards

The SRCM analysis methodology fully complies with the SAE JA 1011 standard for Reliability Centered Maintenance processes.

SKF Asset Management Services also offers expertise in:

- Strategic planning
- Assessments and benchmarking
- Achieving business goals
- Risk analysis
- Maintenance strategy review
- Spares and inventory management
- Asset performance
- Work logistics
- Application engineering
- Maintenance engineering
- Reliability engineering
- Maintenance management systems
- Life cycle costing
- Asset efficiency optimization
- Proactive reliability maintenance
- Operator driven reliability
- Integrated maintenance solutions
- Decision support systems
- Training
- Root cause analysis

Data collection and plant history review

Your SKF consultant will utilize existing documentation and data to support an SRCM analysis, including system description; system drawings; electronic asset listing and information from your available maintenance history and documentation.

For additional information on SRCM contact:

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