SINGLE POINT LESSON- CMRP EXAM RECOMMENDATIONS

BY: **RICKY SMITH, CMRP, CMRT, CRL**

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Single Point Lesson

CMRP Exam Recommendations

By Ricky Smith CMRP

(CMRP Since 2007)

The CMRP is the only certification program of its kind accredited by the American National Standards Institute (ANSI), which follows the globally recognized ISO standards for its accreditation purposes. The test is a thorough examination of a broad scope of expertise measured against the universal standard.

> "If a step in a process is skipped or performed at a substandard level it creates defects kn own of failures"
>
> Ron Thomas, Former Engineerin g/Maintenance Manager Dofasco Steel

One must have "Knowledge" concerning the following:

- Known Maintenance and Reliability Best Practices
- SMRP Body of Knowledge
- SMRP Metrics Definitions
- SMRP Best Practices
- SMRP Global Maintenance and Reliability Indicators
- GFMAM Asset Management Landscape
- IAM Competency Framework
- ENGINEERING RELIABILITY FAULT TREES AND RELIABILITY BLOCK DIAGRAMS by Harry G.Kwatny
- ADKAR (Book) A Model for Change in Business, Government, and our Community

CMRP Recommended Study Material Downloads

Recommendations:

Step 1 – Join SMRP (www.smrp.org)
Step 2 – Join one of the SMRP Chapters or Special Interest Groups and Participate, meet others and learn from each other
Step 3 – Purchase and Study "Maintenance Best Practices" by Ramesh Gulati and "Rules of Thumb for Maintenance and Reliability Engineers" by Ricky Smith and Keith Mobley, ADKAR- a MODEL FOR CHANGE
Step 4 – Take training in "SMRP Body of Knowledge" (not a requirement)
Step 5 – Download and Study the following from SMRP Website as a member. (SMRP Body of Knowledge, SMRP Metrics, and SMRP Best Practices, Global Maintenance and Reliability Indicators)
Step 6 – Take the practice exam in "Maintenance Best Practices" by Ramesh Gulati, you may not see any of these questions on the exam however it will help you understand how the questions are asked, great practice. Each question is linked to a page in this book (STUDY)

➤ Study the SMRP Body of Knowledge (5 Pillars) - Think about how you could use these Pillars in your organization to optimize asset reliability and maintainability.

Pillar 1: Business & Management

This subject area describes the skills used to translate an organization's business goals into appropriate maintenance and reliability goals that support and contribute to the organization's business results.

Pillar 2: Manufacturing Process Reliability

This subject area relates maintenance and reliability activities to the manufacturing process of the organization to ensure that maintenance and reliability activities improve the manufacturing process.

Pillar 3: Equipment Reliability

This subject area describes two kinds of activities that apply to the equipment and processes for which the maintenance and reliability professional is accountable. First are those activities used to assess the current capabilities of the equipment and processes in terms of reliability, availability, maintainability, and criticality. Second are the activities used to select and apply the most appropriate maintenance practices so that the equipment and processes continue to deliver their intended capabilities in the safest and most cost-effective manner.

Pillar 4: Organization & Leadership

This subject area describes processes for assuring that the maintenance and reliability staff is the most qualified and best assigned to achieve the maintenance and reliability organization goals.

Pillar 5: Work Management

This subject area focuses on the skills used to get the maintenance and reliability work done. It includes scheduling and planning activities, quality assurance of maintenance activities, stores and inventory management.

"Think about how you could use the 5 Pillars to Optimize/Reshape your current Maintenance and Reliability organization."

➤ <u>Study SMRP Metrics</u> – Review the definitions found in each metric and think about how one could use these metrics to optimize their current metrics.

You can't manage what you don't measure.
— Peter Drucker —

AZ QUOTES

The <u>SMRP Metrics</u> gives the maintenance and reliability professional the ability to do the following: measure performance consistently, make valid comparisons, establish achievable goals and objectives, and set realistic expectations. The standardization of how our maintenance and reliability practices are measured forms the foundation for these goals.

Remember this:

  Leading Metrics lead to results
  Lagging Metrics are the results

➤ <u>Study SMRP Best Practices</u>

SMRP Best Practices is a comprehensive publication of world-class metrics, guidelines and a glossary of terms for the maintenance, reliability and physical asset management profession.

This publication is designed to help practitioners run safe, cost-efficient and effective

maintenance and reliability programs that align with strategic, operational and tactical best practices of an organization.

The 70+ metrics and guidelines in this new edition provide standardization and benchmarks to

measure the success of maintenance and reliability programs. Each metric is broken down by definition, objective(s), formula, component definitions and qualifications, and includes a sample calculation, best-in-class target values, cautions and notes for harmonization. The guidelines provide additional information and further clarification of component terms used in SMRP's metrics.

On the day prior to the CMRP Exam:

o Minimize alcohol intake

    o Study 2-4 hours every other day using the material recommended above

o Study – take a 30-minute break every hour, walk around outside and clear your head, no TV while studying.

o Study with someone else is good

o Get plenty of uninterrupted sleep (minimum of 6 hours)

<u>Things not to do:</u>

    o oPurchase an APP with CMRP Questions, NEVER Works

o Purchase a CMRP Study Book, wasting your time

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3

Join me for MasterClass - Maintenance and Reliability Best Practices Virtual Workshop plus CMRP Preparation ,
April 11-13, 2023

FYI, I am the Instructor and love teaching this workshop. I have been a CMRP since 2007 and have been teaching this workshop since 2007.

#1 Software for Maintenance & Reliability Teams

UpKeep is a service-first company that builds software designed to make maintenance easier for technicians and managers everywhere. Reduce downtime up to 18% by switching over to a preventative maintenance solution!

www.upkeep.com

Our Products

UpKeep

Mobile-first maintenance management and collaboration across all location, assets, and teams

With nearly 340 different machines in our work environment, it's an impossible task to manually assign and track PM's. **With UpKeep we can schedule regular maintenance without overlapping tasks with other critical jobs.**"

★★★★★   **Paul D, Health and Safety Coordinator**
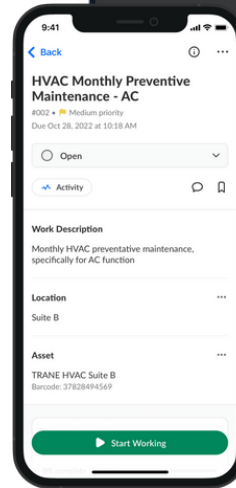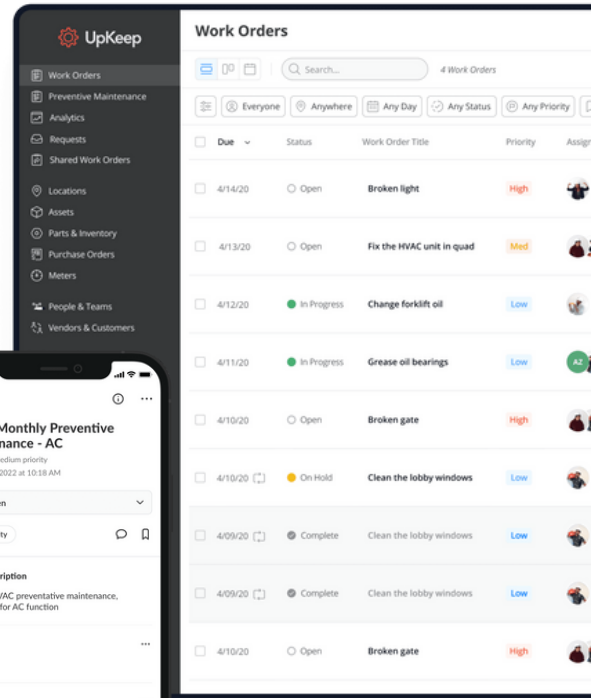
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Connected and secure IoT sensors for real-time remote condition asset monitoring

edge by UpKeep

Integrated & Centralized Data Ecosystem for World Class Asset Operations

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DATAHUB UpKeep

The Maintenance Community Coalition was founded on the belief that working together will benefit everyone within our community

Committed to helping each other thrive in our individual professional journeys by sharing resources and expertise, granting scholarships, hosting events, and unlocking knowledge – always at no cost.

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