



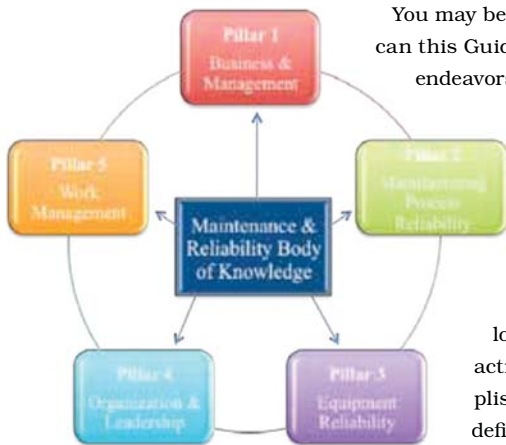
Maintenance and Reliability Knowledge Committee Update

BY: CHRIS COLSON, MAINTENANCE AND RELIABILITY KNOWLEDGE COMMITTEE CHAIR

The Maintenance and Reliability Knowledge Committee within the Body of Knowledge Directorate is responsible for developing and maintaining the Maintenance & Reliability Body of Knowledge (BoK), which is an aggregate of all that is known and understood in the field of maintenance and reliability based on familiarity gained through experience and association. The M&RK Committee also oversees the publication of the *Guide to the Maintenance & Reliability Body of Knowledge*. The guide is a comprehensive reference document that provides guidance to both new and experienced Maintenance & Reliability professionals who are looking for a roadmap to world-class performance. The guide has been designed to be used with SMRP's benchmarking and best practice metrics.

This guide is built around the five pillars of the Maintenance and Reliability Body of Knowledge: Business and Management, Manufacturing Process Reliability, Equipment Reliability, Organization and Leadership, and Work Management.

This guide was developed by SMRP's Maintenance and Reliability Knowledge Committee using a rigorous development process. Currently, the guide encompasses Levels 1 (Pillars) & 2 (Functions) of the M&R BoK, and outlines the subject areas to be mastered by a Certified Maintenance and Reliability Professional (CMRP).



You may be asking yourself, "How can this Guide help me in my M&R endeavors?" The simplest explanation is to show you the depth the guide provides within the five Pillars of Maintenance and Reliability. For each of the 5 Pillars (Level 1) logical groupings of the actions needed to accomplish a definite end are defined and become the Functions (Level 2) of the

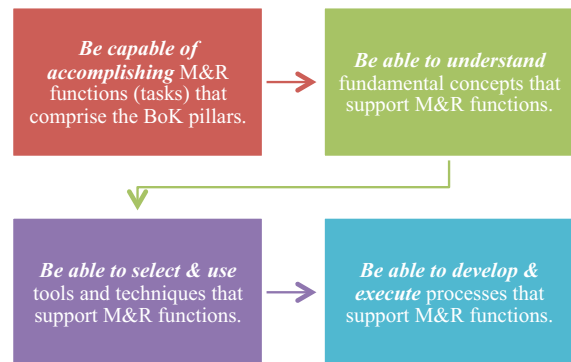
Pillars. This work is completed and is currently available in the latest version of SMRP's "Guide to the Maintenance and Reliability Body of Knowledge" and can be located by following this link: <http://library.smrp.org/1koj2p/>.

Over the past few years the M&RK Committee has been actively continuing its work on the development of a Level 3 to the Body of Knowledge. The M&RK Committee is excited as it draws closer to completion of this work as the addition adds tremendous value to the existing guide by providing greater depth for each of the Pillars Functions. This is accomplished by defining Level 3 as the skills and knowledge level required for success in the areas of processes, concepts, and tools. Level 3 skills are being developed

for each of the Level 2 functions to support and help guide new and experienced maintenance & reliability professionals. Level 3 can be described as the following:

- **Processes** (what needs to be done): A series of actions, standards, changes, formulas, or functions with associated inputs, outputs, resources, communication links, and other elements that bring about an end or result.
- **Concepts** (what we need to understand): Basic, elemental, foundational idea(s) or understanding(s), especially one derived from specific instances or occurrences, definitions, terminology, descriptions, or common facts.
- **Tools** (how to do it): Systematic methodologies, recognized approaches, or principles or procedures by which a complex task is accomplished.

The M&RK Body of Knowledge is built with the philosophy that competent M&R Professionals should:



As mentioned earlier and as noted in the M&RK Committee charter, a key committee objective is to maintain the SMRP M&RK BoK in a state that reflects current maintenance and reliability practice. To do so, the committee has adopted a process which is followed to ensure through input and review is achieved prior to adoption, approval, and publication.

Currently with 44 active committee members, the M&RK committee meets periodically to review the BoK, consider public comments, and decide whether revision or inclusion is required. Committee reviews are triggered by:

- Input from the M&R community. SMRP members and the public may comment on the BoK at any time by communicating with SMRP via postal mail, e-mail, telephone, fax, or any other means of available communication. SMRP staff will forward BoK-related messages to the committee and the committee will address those comments and/or suggestions in its next scheduled meeting.

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Advertising the Benefits of SMRP

BY TERRY HARRIS, CMRP
EXAM DIRECTOR, SMRPCO

As we read this article and other articles in *Solutions Magazine*, we must remember we are communicating and many times preaching to the choir. The magazine is sent to and read by already active and certified professionals. Others who receive the magazine are members of SMRP who may not yet be certified. So how do we better get the word out about the CMRP and CMRT certifications?

I go into plants many times over the year and some have never heard of the organization or the certifications. This tells me we are missing some potential candidates who should be part of our organization. One of the best advertising tools we have are the members. As we all communicate in our businesses by email or phone, remember to talk about the Society. Explain the benefits of being a member. I think the biggest is being part of some of the most knowledgeable maintenance experts in the world today.

If anyone out there is considering


going into the consulting business after they retire or are tired of current job duties and are thinking about becoming self-employed, consider having the CMRP certification. If you know of professionals out there in the business world teaching courses or consulting in the areas of reliability, stress the fact that a CMRP certification adds some value to their credibility. Advertise with your business cards and website information for all to see and ask questions. I often send a list of reading materials to people who are interested in the exam to help them concentrate on books that will help their general knowledge in each area of the BoK.

Lastly, the rewards program is still in effect for writing questions. The big reward is for the chapter or sustaining sponsor plant that submits the most questions before the annual conference in Orlando. The award pays \$1,000. If you would like information on the proper procedures for question writing, please contact me at



tkharris10@hotmail.com. We are also in need of questions for the CMRT exam. The CMRT has a Body of Knowledge to relate the questions also. It covers areas that are directly related to the tasks and work performed by the floor level maintenance technicians.

If you are interested in writing questions, as an individual we pay \$10 per question after the third question. We do not pay for one or two questions sent in to the exam team. Make some extra cash by reading some reliability or people skills books and writing questions.

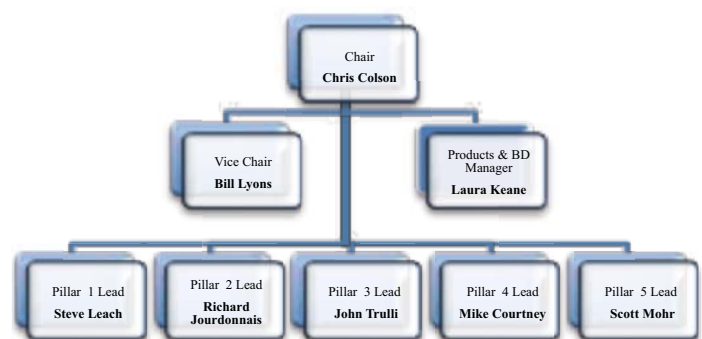
Don't forget to promote the exam and SMRP outside of the organization. Let's build the professional network this year! 

BODY OF KNOWLEDGE (BOK) CORNER

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- *Annual continuous improvement review.* The committee reviews the BoK at least once a year and votes at its annual meeting held in conjunction with the SMRP Annual Conference to approve the BoK or institute revisions.
- *Formal quadrennial review and verification.* The committee will institute a full revision and verification process within four years of the last published revision receiving public review and comment.

As you can ascertain, the work of the M&RK committee is valuable and important to SMRP and all of its membership. None of this work could be accomplished without the many committee volunteers who set aside and dedicate time and effort to the continued efforts of SMRP. I have personally enjoyed and valued meeting so many knowledgeable M&R professionals through my work with this committee and others. Being an active member has certainly helped my career advancement through the knowledge shared within SMRP. I would highly recommend and



encourage each of you, if you're not already, to get involved and engaged in this type of work as it not only helps SMRP's goals but can certainly help shape your profession and career.

If you are interested in participating on a Body of Knowledge Committee, contact info@smrp.org 