



IAM and SMRP: Harmonizing Best Practices in Asset Management and Reliability

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Agenda

- Introduction
- Asset Management and Reliability – How they work together?
- SMRP's Vision and Mission
- IAM and SMRP's Relationship Member Benefits
- SMRP's Resources Available to IAM Membership
- The SMRP Annual Conference (October 16-19, Orlando)
- Questions

About Dan

- I am married to a beautiful and talented actress (Becca Anderson)
- We live in Charleston, South Carolina
- The last of seven children – five boys and two girls
- I enjoy football, fishing, and live music
- I have been volunteering with SMRP for a little over 15 years



Presenter's Biography



Dan Anderson is the Partner Development Manager with Copperleaf Technologies. He holds a Bachelor of Science and Master's Degree in Business Administration from The Citadel. In addition, Dan serves on the Board of Directors for SMRP (The Society of Maintenance and Reliability Professionals).

Dan is experienced in all areas of manufacturing process and plant operations. He has directed and implementing cost savings initiatives and developed process controls in asset management, planning and scheduling, root cause analysis, materials management, reliability engineering along with several other continuous improvement programs.

Prior to joining Copperleaf, Dan spent over 30 years working as a CMMS Software Implementation Consultant, Manufacturing Engineer, and Learning Professional in the fields of asset management and reliability. He is a Prosci Certified Change Management Professional and understands how effective business process reengineering can be applied with sustainable results.

Asset Management: Definition

Asset Management incorporates the entire life cycle of an asset, from the time that asset is ordered until the time it is replaced or decommissioned. The goal with Asset Management is to maximize the asset's benefits based upon its performance.

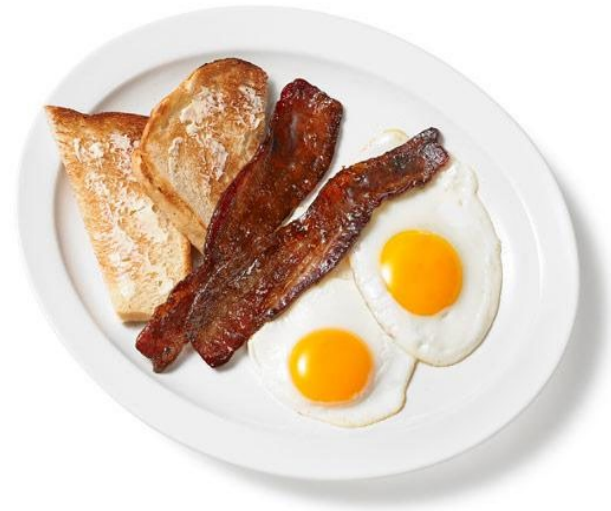
Reliability: Definition

Reliability is the ability of an asset to fulfil expectations about its functionality. Therefore, a reliable asset functions to consistent expectations. It also meets all legal requirements, delivers the performance required to meet business goals, and is supported by a proactive culture.

How do asset management and reliability compliment each other?

Asset Management – The coordinated activities of an organization to realize value from assets

ISO 55000 2.4.3 and 3.3.1



Reliability – Being able to do what has been expected or has been promised.



SMRP's Vision

- **To be the global leader for the maintenance, reliability, and physical asset management professional**
- **SMRP – formed and chartered in 1992 (2022 is SMRP's 30th anniversary) and currently have:**
 - 6800+ members worldwide (47% of members are outside of the U.S.)
 - 150 Executive Company members
- **SMRP M&R professional certification:**
 - The CMRP is the only ANSI certified M&R certification recognized globally with 6,600 certified professionals
 - The CMRT is now accredited and has 1,100 certified professionals globally

SMRP's Mission

- SMRP's core expertise is in maintenance and reliability
- Over the 30 years of SMRP's history the organization has developed a great deal of information which is available to our members
- SMRP's focus is to enable the global M&R profession for improvement, and we want this information to be disseminated globally and across different industries
- The SMRP/IAM relationship makes this information available for you to use and leverage to improve your asset management plans, efforts, and projects
- It's free for members and I want to quickly show how/where to find this information so you can apply it wherever you need it

SMRP / IAM Relationship Member Benefits

- SMRP and IAM have a special relationship which allows us to deliver knowledge, practices, and benefits to the members of both organizations
- The IAM and SMRP have announced the renewal of our global agreement
- Look under News tab on the IAM website to find more information



07 Jun 2022 | Home, Canada, Germany, Ireland, Netherlands, United Kingdom, USA | Blog | Press Release

[IAM The Pathway to Excellence in Asset Management](#)

We are pleased to release our latest asset management publication to further your knowledge of asset management excellence and maturity. The material in these publications is the cumulative product of several IAM studies on the subject over the last 15 years. It continues, of course, to be an evolution.

[Read in Full >](#)

ITN productions.

18 May 2022 | Home | Press Release | Event

[ITN Productions - Why Outcomes Matter](#)

IAM has partnered with ITN Productions Industry News to produce Why Outcomes Matter, a digital news-style programme highlighting the importance of starting with the end in mind when it comes to building infrastructure.

[Read in Full >](#)



03 May 2022 | Home, USA, United Kingdom, Netherlands, Ireland, Germany, Canada | Blog | Press Release

[IAM and SMRP Announce Renewal of Global Agreement to Share Member Benefits](#)

The Institute of Asset Management (IAM), the international professional body for asset management professionals, and the Society for Maintenance & Reliability Professionals (SMRP), the global leader in maintenance and reliability, has announced the renewal of an agreement that allows SMRP and IAM.

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SMRP / IAM Relationship

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IAM and SMRP Announce Renewal of Global Agreement to Share Member Benefits

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IAM and SMRP announce renewal of global agreement to share member benefits



Home, USA, United Kingdom, Netherlands, Ireland, Germany, Canada | [Blog](#) | [Press Release](#)

03 May 2022

IAM and SMRP Announce Renewal of Global Agreement to Share Member Benefits

02 Apr 2019 | [Blog](#) | [Press Release](#)
Announcement: Change to the IAM Affiliate Membership Grade

03 May 2022

IAM and SMRP Announce Renewal of Global Agreement to Share Member Benefits

The Institute of Asset Management (IAM), the international professional body for asset management professionals, and the Society for Maintenance & Reliability Professionals (SMRP), the global leader in maintenance and reliability, has announced the renewal of an agreement that allows SMRP and IAM members to access member-only benefits across both societies.

The original, landmark agreement between the IAM and SMRP proved to be a great success, so renewing this agreement is a positive benefit for both organizations and their respective members.

“The continuation of SMRP’s partnership with IAM supports SMRP’s core mission, to develop and promote excellence in maintenance, reliability and physical asset management,” said Erin Erickson, SMRP executive director. “Through our first agreement, both organizations were able to expand the resources, professional network and knowledge available to members. Those benefits create a ripple effect, through members sharing their learnings with colleagues and contributing to the development of others’ professional excellence. We encourage other alliances among like-minded organizations to benefit members and their global communities.”

The renewed agreement allows members of IAM and SMRP to take full advantage of exclusive member benefits across both organizations. The benefits include educational resources, world-class metrics, presentations and discounts for certification exams and events such as the IAM Global Conference, the IAM North American Chapter Conference, the SMRP Annual Conference and SMRP Symposia. Members are also welcome to attend local meetings at IAM branches and SMRP chapters.

“The IAM is delighted to have renewed the Memorandum of Understanding (MoU) with SMRP. SMRP is known around the world as a leader in the maintenance and reliability profession, and this MoU provides IAM members access to SMRP’s extensive member resources, including the Body of Knowledge and their professional development webinars,” said Christian Roberts, IAM President. “We also look forward to collaborating with SMRP on future events to provide enhanced value to both sets of members and wider society.”

Shared membership benefits between IAM and SMRP are available immediately and will last through March 2024.

For more information about IAM benefits available to SMRP members, [click here](#).

For more information about SMRP benefits available to IAM members, [click here](#).

SMRP / IAM Relationship Member Benefits

- IAM members received a discounted membership with the following benefits:
 - Access to the SMRP library
 - Networking and education opportunities through Chapters
 - Access to live and on-demand webinars
 - A subscription to SMRP's quarterly digital publication
 - Member discounts to the CMRP and CMRT Practice Exams
 - Member registration discounts to the CMRP and CMRT certification exams
 - Special member rates at SMRP's Annual Conference and other events
 - Access to SMRP Chapter Events
 - SMRP Exchange
 - SMRP Job Board

SMRP Membership for IAM Members

Institute of Asset Management | smrp.org/About/Partners/IAM-Agreement

Contact Login **Join**

Certification Resources Membership News Government Relations Events **About** Q

IAM Agreement

Home / About / Partners / IAM Agreement

SMRP is pleased to announce a global agreement with the Institute of Asset Management (IAM) to share member benefits between our two organizations. After entering into the Memorandum of Understanding, membership benefits, including discounts for events and activities, technical documents and other resources are available immediately across both membership bases.

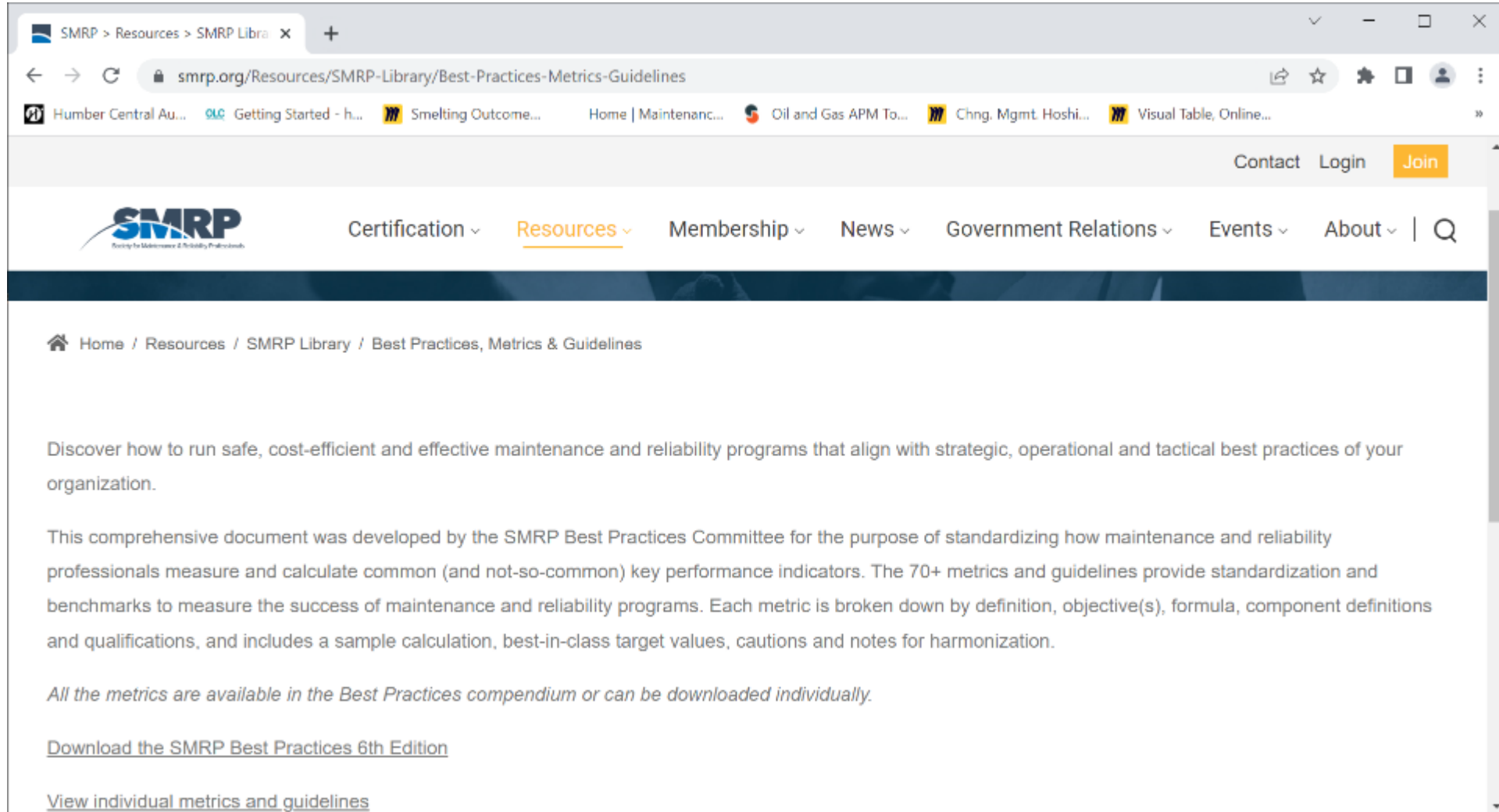
For IAM Members

IAM members can access the following:

- Access to the [SMRP Library](#)
- Networking and education opportunities through [Chapters](#)
- Access to live and on-demand [webinars](#)
- Member registration discounts on the **CMRP and CMRT certification exams**
- Special member rates at [SMRP events](#)

To receive access to SMRP benefits, first create an account [here](#). Then, navigate to the online store, select the "Individual Membership – 1 Year" option and use the discount code provided by IAM. If you need access to the code, please [contact IAM](#).

SMRP Resources



The screenshot shows a web browser window with the URL smrp.org/Resources/SMRP-Library/Best-Practices-Metrics-Guidelines. The page features the SMRP logo and a navigation menu with options like Certification, Resources, Membership, News, Government Relations, Events, and About. The main content area includes a breadcrumb trail, a paragraph about the document's purpose, a detailed description of the metrics and guidelines, and two links: [Download the SMRP Best Practices 6th Edition](#) and [View individual metrics and guidelines](#).

SMRP > Resources > SMRP Libra x +

← → ↻ smrp.org/Resources/SMRP-Library/Best-Practices-Metrics-Guidelines

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SMRP
Society for Maintenance & Reliability Professionals

Certification ▾ **Resources** ▾ Membership ▾ News ▾ Government Relations ▾ Events ▾ About ▾ | 🔍

🏠 Home / Resources / SMRP Library / Best Practices, Metrics & Guidelines

Discover how to run safe, cost-efficient and effective maintenance and reliability programs that align with strategic, operational and tactical best practices of your organization.

This comprehensive document was developed by the SMRP Best Practices Committee for the purpose of standardizing how maintenance and reliability professionals measure and calculate common (and not-so-common) key performance indicators. The 70+ metrics and guidelines 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.

All the metrics are available in the Best Practices compendium or can be downloaded individually.

[Download the SMRP Best Practices 6th Edition](#)

[View individual metrics and guidelines](#)

SMRP Resources

The screenshot displays the SMRP online store interface. The browser's address bar shows the URL: <https://portal.smrp.org/online-store/merchandise#&&bWFpbjRjb250ZW50JGN0bDAxJHdpek1lcmNoYW5kaXNlIHdpek1lcmNoYW5kaXNl=2>. The page features a left-hand navigation menu with categories such as Webinar Recordings, Certification Programs, and a Shopping Cart. The main content area is a grid of eight product cards, each representing a free downloadable resource. Each card includes the SMRP logo, a title, a brief description, and buttons for 'Details' and 'Add to Cart'. The items are:

- Item 1:** "Diamond in the Rough Process" An Effective Front-Line Supervision Response to Skills Gap. Downloadable Merchandise. FREE.
- Item 2:** "End of the Week" Communications - Content, Audience, Benefits and Results. Downloadable Merchandise. FREE.
- Item 3:** "Who Gives a 'Twitter' About Being 'LinkedIn' to Reliability? Five Ways to Improve Plant Reliability. Downloadable Merchandise. FREE.
- Item 4:** (Equipment) Asset Management - What are the Real Requirements? Downloadable Merchandise. FREE.
- Item 5:** "Back to the Future": Re-focus on the Basics to Achieve Maintenance Excellence. Downloadable Merchandise. FREE.
- Item 6:** "It's In The Cloud" How To Harmonize Your Legacy And Modern Manufacturing Systems. Downloadable Merchandise. FREE.
- Item 7:** "Leave Me Alone, I Can Do It Myself" a.k.a. Mentoring Helps. Downloadable Merchandise. FREE.
- Item 8:** "Selling" Your Reliability Program. Downloadable Merchandise. FREE.

The left navigation menu includes the following items:

- Pillar 5 Webinar Recordings
- Asset Management Webinar Recordings
- Body of Knowledge
- Spanish Merchandise
- Body of Knowledge Webinar Series Recordings
- Best Practices 6th Edition
- Metrics & Guidelines
- Certification Programs
- Donate Now
- Sustaining Supporter List
- CMRP Directory
- CMRT Directory
- My Account
- Profile Instructions
- Certification Profile FAQ
- My Shopping Cart

The right-hand sidebar lists various resource types:

- Management
- Body of Knowledge
- BoK Pillar 1: Business and Management
- BoK Pillar 2: Manufacturing Process Reliability
- BoK Pillar 3: Equipment Reliability
- BoK Pillar 4: Organization and Leadership
- BoK Pillar 5: Work Management
- Certification
- Conference Proceedings
- eBook
- Guidelines
- Logo Products
- Metrics
- Paper
- Presentation
- Publications
- Recording

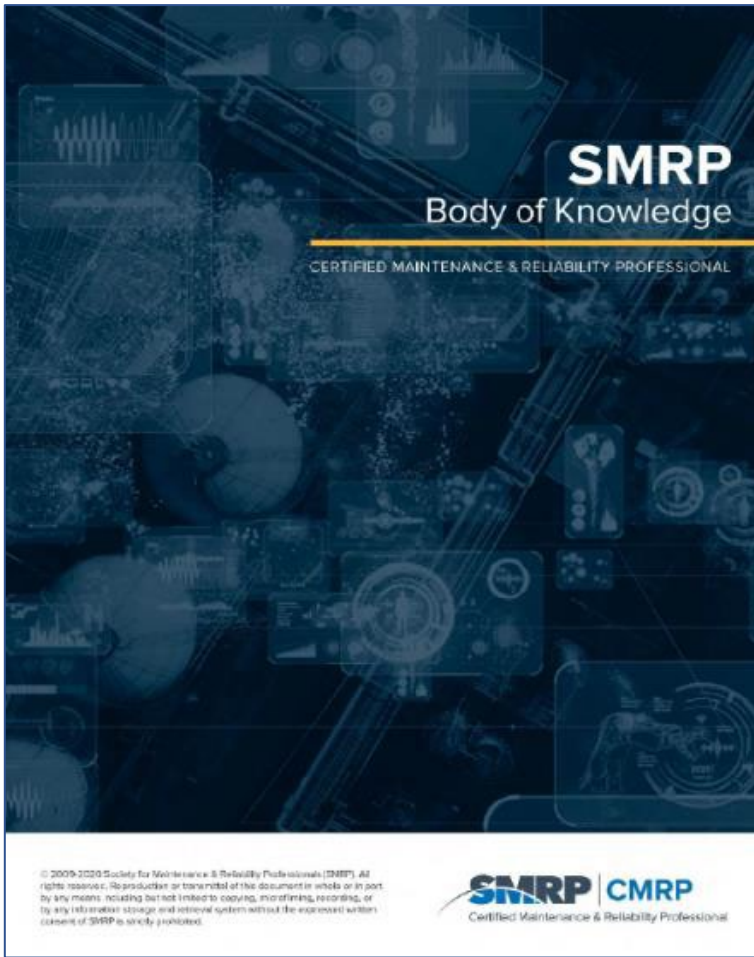
SMRP Best Practices Documents



Best Practice Compendium

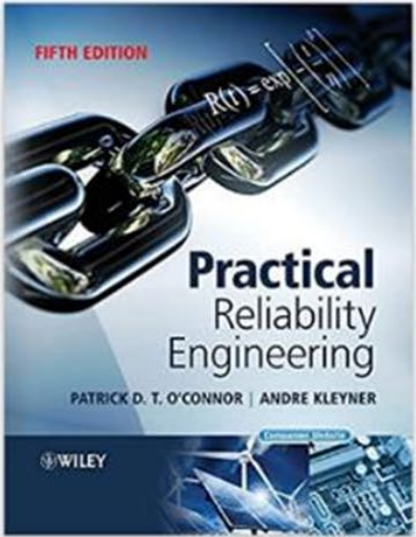
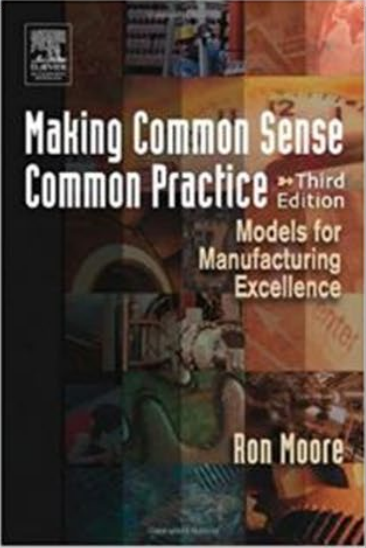
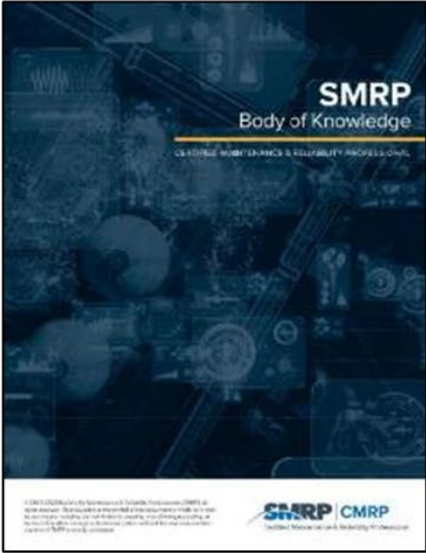
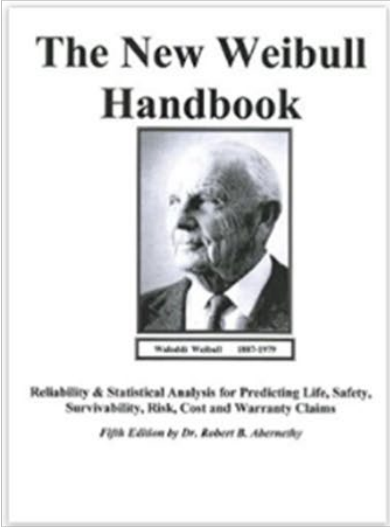
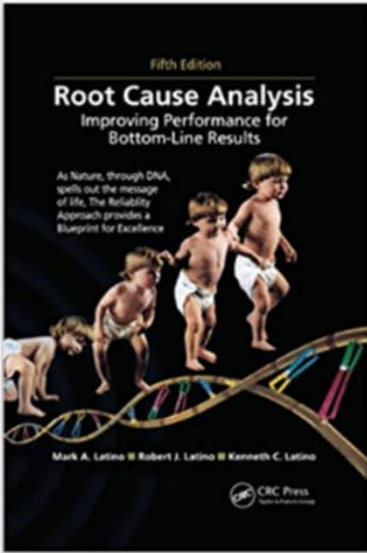
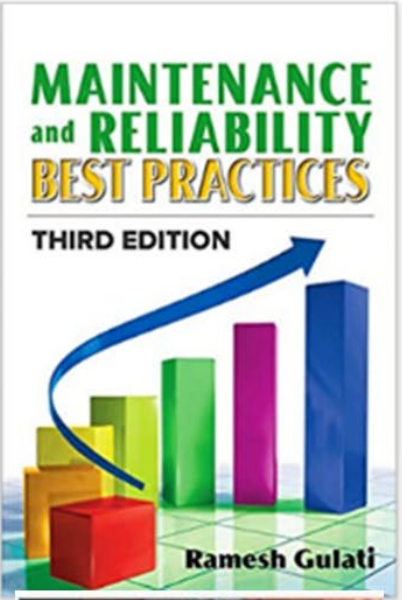
- Contains 69 metrics
 - Follows standard structure
 - Metric definition, calculation, examples
 - Many metrics have Best in Class targets
- Appendices
 1. Determining Asset Replacement Value (RAV)
 2. Understanding Overall Equipment Effectiveness (OEE)
 3. Determining Leading and Lagging Indicators
 4. Guide to Mean Metrics
 5. Maintenance Work Types
 6. Demystifying Availability
 7. Measuring Maintenance Training Return On Investment (ROI)
 8. Glossary

SMRP Body of Knowledge

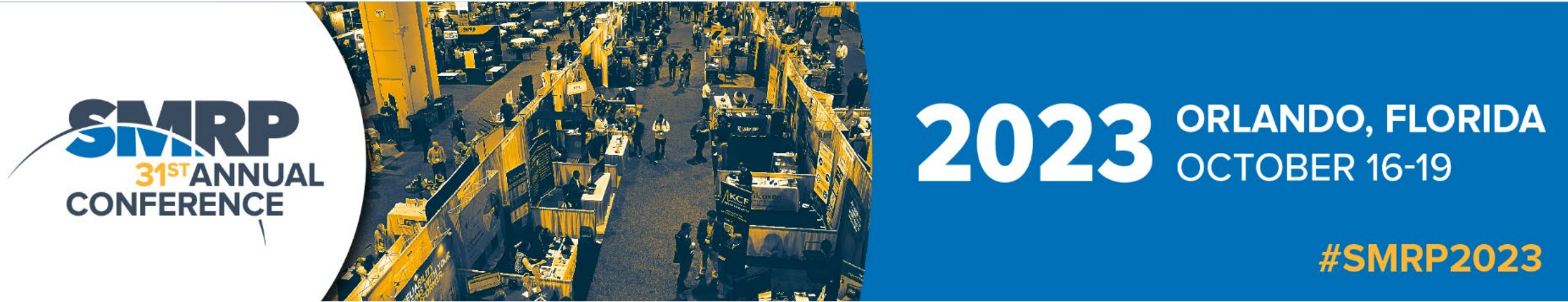


	Behaviors & Processes	Operational Execution	Manufacturing Performance
BoK – Business Management			
Maintenance Margin (COGS)			Lagging
Maintenance Unit Cost			Lagging
Maintenance Cost per RAV			Lagging
BoK – Manufacturing Process Reliability			
OEE			Lagging
Availability			Lagging
Total Operating Time			Lagging
BoK – Equipment Reliability			
Systems Covered by Criticality Analysis	Lagging	Leading	Leading
Scheduled Downtime		Lagging	Lagging
Unscheduled Downtime		Lagging	Lagging
MTBF		Lagging	Leading
BoK – Organization & Leadership			
Rework	Lagging	Leading	Leading
Maintenance Training - \$	Lagging	Leading	Leading
Maintenance Training - MHRs	Lagging	Leading	Leading
BoK – Work Management			
Corrective Maintenance Hours		Lagging	Leading
Preventive Maintenance Hours		Lagging	Leading
Condition Based Maintenance Hours		Lagging	Leading
Planned Work	Lagging	Leading	Leading
Reactive Work	Lagging	Lagging	Leading
Proactive Work	Lagging	Lagging	Leading
Schedule Compliance Hours		Leading	Leading
Schedule Compliance Work Orders		Leading	Leading
Standing Work Orders		Leading	Leading
Work Order Aging	Lagging	Leading	Leading
Planned Backlog	Lagging	Leading	Leading

Maintenance and Reliability Best Practices



2023 SMRP Annual Conference Orlando, Florida (October 16-19)



It's time to register for #SMRP2023! Last year, SMRP hosted more than 1,100 practitioners from 47 states and 22 countries representing a diverse spectrum of industries—including automotive, manufacturing, oil and gas exploration and refining, mining, power generation, pharmaceuticals, and food processing. Join us for more maintenance, reliability and physical asset management education and networking October 16-19, 2023, at the Rosen Centre Hotel and the Orange County Convention Center in Orlando, Florida.



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