



ISO 55000 Support in Africa by the TMEII Team

By Ralph W. "Pete" Peters - March 2015

We are striving to introduce the importance of ISO 55000 and improving physical asset management across the continent of Africa. This newsletter is a) to introduce our current African team that is in place for helping achieve maintenance and reliability excellence and b) to take a quick look at Scoreboard audits and ISO 55000.

You may know that TMEII operates with a global team of Alliance Team Members (ATMs). With such a team in place around the World, TMEII can readily assemble a well qualified project or training team to address all best practices within ISO 55000. More detail about our complete ATM Team can be found on our site at www.pride-in-maintenance.com/atms.html. Each ATM represents either an independent person or company.

First in North Africa, we have **Mr. Larbi Masmoudi** in Batna, Algeria who is an experienced mechanical engineer and a MAXIMO expert. In Cairo, Egypt, we have a long time ATM with **Mr. Khaled Kamal** as owner of SkyTech. He is also a mechanical engineer and is a representative for the INFOR CMMS/EAM system. TMEII does not sell CMMS/EAM but remains well positioned to help users maximize their investment in MAXIMO, INFOR as well as SAP and to help clients select and implement the best CMMS for their specific needs.

For West Africa's western countries, **Mr. Franklin Takyi** in Kumasi, Ghana and **Ms. Marion Hateka** in Accra, Ghana provide business development, consulting support as well as conference travel support from Ms. Hateka's travel agency at www.skyramghtravels.com. We are planning right now for a major conference in Ghana during August 2015.

Mr. Livingston Obasi in Lagos, Nigeria provides support to West Africa's eastern countries. Mr. Obasi is the founder of - www.haroldpatt.com with interests in Facilities and Fleet Management, Transport & Logistics that adds greater depth to our services for fleet and facilities maintenance management.

For South African countries, **Ms. Rebecca Nakaonga** in Johannesburg, SA owns [RBT Training](#) which is a South African company that prides itself in its value-added service and world class products. Its primary business areas are technology and business training, conferencing workshop organization, short courses and business development support to TMEII. The vision of RBT Training is to become the leader in technology and business training, conferencing and short courses on the African continent.

The Maintenance Excellence Institute International

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Scoreboard for Maintenance Excellence Audits and ISO 55000

The TMEII African Team will expand to provide for your needs in gaining ISO 55000 compliance if you desire to have a formal audit. However, TMEII does not perform ISO 55000 audits for several reasons.

1. Just like the ISO 1901: 2008 standards for quality management many organizations require higher standard process than what was defined. Third-party certification bodies provided independent confirmation that organizations meet the requirements of ISO 9001. Over one million organizations worldwide are independently certified, making ISO 9001 one of the most widely used management tools in the world today. However, the ISO certification process has been criticized as being wasteful and not being useful for all organizations.
2. TMEII sees ISO 55000 as a very valuable tool but not as a tool that fits all operations. A common commitment by top management to a strategic physical asset management plan is of extreme value. Our main issue is that ISO 55000 is descriptive and vague on many important best practices which are necessary in for example oil, gas and petrochemical operations. Whereas our Scoreboards are very prescriptive and clear as to the key steps for each best practice area and give specifics

Our Scoreboard audit process is an improvement process that delivers a Strategic Physical Asset Management Plan with very specific actions and tasks necessary to help achieve ISO 55000 compliance. We give you a method to measure results starting on day one of implementation. We give you a third party Scoreboard audit based on our past experiences with over 200 organizations such as Marathon Oil, BP, Boeing, Heinz steel plants and pharmaceutical plus many facilities maintenance intensive operations. We encourage you to purchase the ISO 55000 standards at webstore.ansi.org/FindStandards.aspx and become familiar with their requirements.

The new ISO 55000 standard will become much more important as today's top leaders finally realize the importance of physical asset management. At some point more legal actions against asset owners that cause health, safety, security and environment (HSSE) issues from neglected physical assets may occur as some people predict might happen. Stockholders may eventually come to see physical asset management just as important as asset management of the money invested in a company. The final realization that the care of physical assets leads to profit optimization is something the ISO 55000 standards have created.

To give you scope of our newest Scoreboard a summary of the 38 best practice areas are included below along with the number of evaluation items for each best practice:

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Worldwide Services - Measured Shop Level Results

THE SCOREBOARD FOR MAINTENANCE EXCELLENCE™ Version 2015		
BENCHMARK EVALUATION SUMMARY OF BEST PRACTICES		
Category Number	Benchmark Evaluation Category (Best Practice Area)	Criteria per Category
1	Top Management Support to Maintenance and Physical Asset	10
2	Maintenance Strategy, Policy and Total Cost of Ownership	30
3	The Organizational Climate and Culture	9
4	Maintenance Organization, Administration and Human Resources	18
5	Craft Skills Development and Technical Skills	12
6	Operator Based Maintenance and PRIDE in Ownership	10
7	Maintenance Leadership, Management and Supervision	12
8	Maintenance Business Operations, Budget and Cost Control	15
9	Work Management and Control: Shop Level Maintenance Repair (M/R)	12
10	Work Management and Control: Shutdowns, Turnarounds and Outages	26
11	Shop Level Reliable Planning, Estimating and Scheduling M/R	30
12	STO and Major Planning/Scheduling and Project Management	16
13	Contractor Management	31
14	Manufacturing Facilities Planning and Site Property Management	9
15	Production Asset and Facilities Condition Evaluation Program	6
16	Storeroom Operations and Internal MRO Customer Service	12
17	MRO Materials Management and Procurement	12
18	Preventive Maintenance and Lubrication	18
19	Predictive Maintenance and Condition Monitoring Technology	15
20	Reliability Centered Maintenance (RCM)	34
21	Reliability Analysis Tools: RCA, RCCA, FMEA, RCFA and FRACA	17
22	Risk Based Maintenance (RBM)	24
23	Process Control and Instrumentation Systems Technology	9
24	Energy Management and Control	12
25	Maintenance Engineering and Reliability Engineering Support	9
26	Health, Safety, Security and Environmental (HSSE) Compliance	15
27	Maintenance and Quality Control	9
28	Maintenance Performance Measurement	12
29	Computerized Maintenance Management System (CMMS) as a Business	18
30	Shop Facilities, Equipment, and Tools	9
31	Continuous Reliability Improvement	15
32	Critical Asset Facilitation and Overall Equipment Effectiveness (OEE)	15
33	Overall Craft Effectiveness (OCE)	6
34	Sustainability	11
35	Traceability	19
36	Process Safety Management (PSM) and Management of Change (MOC)	26
37	Risk Based Inspections (RBI) and Risk Mitigation	29
38	PRIDE-in-Maintenance	8
	Total Evaluation Items	600
	Total Possible Score Where 10= Excellent, 9=Very Good, 8=Good, 7=Average, 6=Below Average and 5= Poor	6000

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Note: The complete Scoreboard Version 2015 is Appendix A in [Reliable Maintenance Planning, Estimating and Scheduling](#) and available in easy to use in Excel format and the book is available as an E-Version.

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