

Maintenance Scorecard

Measurement	Goal	Actual
Backlog Weeks	4-6 weeks	5.5 weeks
Overtime Hours	<8%	5%
Downtime	<5%	4.3%
PM Man-hours	>40%	45.6%
Late PM's	<1%	0.5%
Scheduled Man-hours	>55%	58%
Schedule Compliance	>95%	88%
Planned Man-hours	>80%	86%
Breakdown Man-hours	<10%	12.5%

Maintenance Scorecard

R Sanford



Maintenance Scorecard:

The Maintenance Scorecard Daryl Mather, 2005 Performance measurement in maintenance is a key ingredient when an organization is seeking excellence in their maintenance practices Unquestionably a maintenance scorecard MSC consistent with corporate goals will be invaluable In this context I was pleased to see addresses in the very first Chapter not only comments on key ingredients of a MSC but also implementation issues associated with the use of a MSC There is so little written on the balanced scorecard BSC concept being applied to the maintenance function and as the first book focusing on the BSC in the context of maintenance termed by Mather the MSC it will be a welcome addition to the arsenal of literature available to ensure superior maintenance performance in an organizations Andrew K S Jardine PhD C Eng P Eng Professor Department of Mechanical Industrial Engineering University of Toronto The Maintenance Scorecard is an important work in the field of maintenance management It is important because it weaves together several disparate threads into an insightful and useful whole Implementation of the ideas presented in The Maintenance Scorecard could focus attention of both top management and maintenance leadership to meaningful improvements Joel Levitt President Springfield Resources It is so refreshing to hear someone whom truly knows what he is talking about rather than the theory merchants that tend to saturate our discipline Greg Pantaleoni Director Effective Systems Solutions Pty Ltd This is the first book to seriously tackle the subject of bringing Asset Management into line with other areas of corporate activity Through a unique adaptation of the balanced scorecard approach to asset management it provides a structured approach for both the development of strategy and its implementation Additionally readers will find a catalogue of indicators along with their uses and weaknesses a definitive guide to measuring the success of RCM programs and a logical format that leads them from start to finish with information and hints on each phase of the maintenance scorecard approach If you or your company need to manage physical assets you need this book Provides the RCM Scorecard which is unique to this book and has not been done previously to this level of detail Includes information and hints on each phase of the maintenance scorecard approach Focuses at length on the creation of strategy for asset management and details the differences between various industry types sectors and markets Offers an introduction to the methodology of Problem Elimination Logic and its application and use in the industry Contains a brief overview of the Technical Change Management System a method for increasing the effectiveness of capital spending in maintenance Provides a guide to some of the true uses and limitations of benchmarking as a strategic tool for improvement Uses many illustrations throughout to explain and underline the concepts being presented

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BSC concept being applied to the maintenance function and as the first book focusing on the BSC in the context of maintenance termed by Mather the MSC it will be a welcome addition to the arsenal of literature available to ensure superior maintenance performance in an organizations Andrew K S Jardine PhD C Eng P Eng Professor Department of Mechanical Industrial Engineering University of Toronto The Maintenance Scorecard is an important work in the field of maintenance management It is important because it weaves together several disparate threads into an insightful and useful whole Implementation of the ideas presented in The Maintenance Scorecard could focus attention of both top management and maintenance leadership to meaningful improvements Joel Levitt President Springfield Resources It is so refreshing to hear someone whom truly knows what he is talking about rather than the theory merchants that tend to saturate our discipline Greg Pantaleoni Director Effective Systems Solutions Pty Ltd This is the first book to seriously tackle the subject of bringing Asset Management into line with other areas of corporate activity Through a unique adaptation of the balanced scorecard approach to asset management it provides a structured approach for both the development of strategy and its implementation Additionally readers will find a catalogue of indicators along with their uses and weaknesses a definitive guide to measuring the success of RCM programs and a logical format that leads them from start to finish with information and hints on each phase of the maintenance scorecard approach If you or your company need to manage physical assets you need this book Provides the RCM Scorecard which is unique to this book and has not been done previously to this level of detail Includes information and hints on each phase of the maintenance scorecard approach Focuses at length on the creation of strategy for asset management and details the differences between various industry types sectors and markets Offers an introduction to the methodology of Problem Elimination Logic and its application and use in the industry Contains a brief overview of the Technical Change Management System a method for increasing the effectiveness of capital spending in maintenance Provides a guide to some of the true uses and limitations of benchmarking as a strategic tool for improvement Uses many illustrations throughout to explain and underline the concepts being presented

The Maintenance Scorecard - Ebook And Print Book Combo Daryl Mather, 2005 This is the Book and CD combination version of this book Performance measurement in maintenance is a key ingredient when an organization is seeking excellence in their maintenance practices Unquestionably a maintenance scorecard MSC consistent with corporate goals will be invaluable In this context I was pleased to see addresses in the very first Chapter not only comments on key ingredients of a MSC but also implementation issues associated with the use of a MSC There is so little written on the balanced scorecard BSC concept being applied to the maintenance function and as the first book focusing on the BSC in the context of maintenance termed by Mather the MSC it will be a welcome addition to the arsenal of literature available to ensure superior maintenance performance in an organizations Andrew K S Jardine PhD C Eng P Eng Professor Department of Mechanical Industrial Engineering University of Toronto The Maintenance Scorecard is an important work in the field of maintenance management It is important because it

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Kiritsis,Christos Emmanouilidis,Andy Koronios,Joseph Mathew,2011-02-03 Engineering Asset Management discusses state of the art trends and developments in the emerging field of engineering asset management as presented at the Fourth World Congress on Engineering Asset Management WCEAM It is an excellent reference for practitioners researchers and students in the multidisciplinary field of asset management covering such topics as asset condition monitoring and intelligent maintenance asset data warehousing data mining and fusion asset performance and level of service models design and life cycle integrity of physical assets deterioration and preservation models for assets education and training in asset management engineering standards in asset management fault diagnosis and prognostics financial analysis methods for physical assets human dimensions in integrated asset management information quality management information systems and knowledge management intelligent sensors and devices maintenance strategies in asset management optimisation decisions in asset management risk management in asset management strategic asset management and sustainability in asset management

The Maintenance Management Framework Adolfo Crespo Márquez,2007-06-10 The Maintenance Management Framework describes and reviews the concept process and framework of modern maintenance management of complex systems concentrating specifically on modern modelling tools deterministic and empirical for maintenance planning and scheduling It presents a new perspective of maintenance management by focusing on the course of maintenance actions presenting a structure that ensures proper support for current maintenance managers clarifying the functionality that is required from information technology when applied to maintenance and the functions of modern maintenance engineering and creating a set of practical models for maintenance management planning and scheduling The discussion of all of these issues is supported through the use of case studies The Maintenance Management Framework will be beneficial for engineers and professionals involved in maintenance management maintenance engineering operations management quality etc It will also be of interest to graduate students and researchers in this field

Root Cause Analysis Mark A.

Latino,Robert J. Latino,Kenneth Latino,2016-04-19 What is RCA It seems like such an easy question to answer yet from novices to veterans and practitioners to providers no one seems to have come to agreement or consensus on an acceptable definition for the industry Now in its fourth edition Root Cause Analysis Improving Performance for Bottom Line Results discusses why it is so hard to get su

Uptime John D. Campbell,James V. Reyes-Picknell,2015-08-18 Uptime describes the combination of activities that deliver fewer breakdowns improved productive capacity lower costs and better environmental performance The bestselling second edition of Uptime has been used as a textbook on maintenance management in several postsecondary institutions and by many companies as the model framework for their mai

Developing Performance Indicators for Managing Maintenance Terry Wireman,2005 This unique reference utilizes techniques based on other management measurement systems such as the balanced scorecard It also presents a maturing of measurement technique for maintenance and asset maintenance and development techniques allowing companies to be competitive into the future

Root Cause Analysis Robert J. Latino, Mark A. Latino, Kenneth Latino, Kenneth C. Latino, 2006-05-05 There is no easy answer to the question What is RCA Some will give a general idea of what Root Cause Analysis RCA is designed to accomplish while others will advocate a specific approach In this third edition of the best selling Root Cause Analysis Improving Performance for Bottom Line Results acclaimed experts Robert and Kenneth C. Latino present **The IT Service Part 2 - The Handbook** Pierre Bernard, 1970-01-01 Since the early 2000s numerous external scenarios and drivers have added significant pressures upon the IT organisations Among many these include Regulatory compliance data privacy requirements and corporate scandals have focused a requirement for transparency with high impact on IT organisations Economic pressures require IT organisations to more closely align with business imperatives The outcome has been an explosion of standards and frameworks each designed to support the IT organisation as it demonstrates to the world that they are the rock of an organisation strong reliable effective and efficient Most of these standards and frameworks have great elements but no organisation can adopt them all and many were created without sufficient considerations for interoperability The IT Service in 2 parts looks at the key and very simple goals of an IT organisation and clearly and succinctly presents to the reader the best rock solid elements in the Industry It then shows how all the key elements can easily crystallise together with great templates and check lists In Part 1 another book the reader is presented with the simple objectives that the IT department really must address In Part 2 this book the reader gains expert advice on how the components of IT Service are crystallised in a real environment There is a delightfully simple set of steps OVERVIEW OF THE SERVICE DESIGN PACKAGETHE SERVICE STRATEGYASPECTS OF SERVICE DESIGNOUTPUTS OF THE SERVICE DESIGN PHASEOUTPUTS OF THE SERVICE TRANSITION PHASEOUTPUTS OF THE SERVICE OPERATION PHASEWithin these the Author gives a very simple set of templates or tells you where they are to be found practical guidance and very simple checklists It is up to the reader how far you develop each stage a lot depends on the nature of your business of course The joy of this approach is that the reader knows that all basic components are identified and that more extensive resources are referred to if the reader wishes to extend

Maintenance Management in Network Utilities Juan F Gómez Fernández, Adolfo Crespo Márquez, 2012-02-19 In order to satisfy the needs of their customers network utilities require specially developed maintenance management capabilities Maintenance Management information systems are essential to ensure control gain knowledge and improve decision making in companies dealing with network infrastructure such as distribution of gas water electricity and telecommunications Maintenance Management in Network Utilities studies specified characteristics of maintenance management in this sector to offer a practical approach to defining and implementing the best management practices and suitable frameworks Divided into three major sections Maintenance Management in Network Utilities defines a series of stages which can be followed to manage maintenance frameworks properly Different case studies provide detailed descriptions which illustrate the experience in real company situations An introduction to the concepts is followed by main

sections including A Literature Review covering the basic concepts and models needed for framework design development and implementation Framework Design and Definition developing the basic pillars of network utilities maintenance management framework Performance Evaluation Maturity focusing on the reliability concept and maturity models from different viewpoints By establishing basic foundations for creating and maintaining maintenance managements strategies Maintenance Management in Network Utilities acts a practical handbook for all professionals in these companies and across areas such as network development operations management and marketing

Information Technology Evaluation Methods and Management Wim Van Grembergen,2001-01-01 The evaluation of IT and its business value are the subject of many academic and business discussions Investments in IT are growing extensively and business managers worry about the fact that the benefits might not be as high as expected This phenomenon is often called the IT investment paradox or the IT Black Hole large sums are invested in IT that seem to be swallowed by a large black hole without rendering many returns How to measure the benefits of IT is the concern of this book titled Information Technology Evaluation Methods and Management The different IT evaluation approaches and methods are discussed and illustrated with cases traditional financial evaluations such as the return on investment information economics and the recently introduced IT Balanced Scorecard The latter approach is proposed as an ideal mechanism to support the IT business alignment process and its related IT governance process Among some of the topics included in this book are software measurement ERP project evaluation strategic electronic commerce evaluation

Structural Integrity Cases in Mechanical and Civil Engineering Shahrum Abdullah,Salvinder Singh Karam Singh,Noorsuhada Md Nor,2022-01-24 This book covers most of the damage mechanism in the scope of mechanical engineering and civil engineering The failure pattern of various materials and structures is mainly discussed The sub topics covers fatigue damage fatigue crack initiation and propagation life prediction techniques computational fracture mechanics dynamic fracture damage mechanics and assessment non destructive test NDT concrete failure assessment failure on soil structures structural durability and reliability structural health monitoring construction damage recovery and any relevant topics related to failure analysis

Optimum Decision Making in Asset Management Carnero, María Carmen,González-Prida, Vicente,2016-08-24 Asset management is becoming increasingly important to an organization s strategy given its effects on cost production and quality No matter the sector important decisions are made based on techniques and theories that are thought to optimize results asset management models and techniques could help maximize effectiveness while reducing risk Optimum Decision Making in Asset Management posits that effective decision making can be augmented by asset management based on mathematical techniques and models Resolving the problems associated with minimizing uncertainty this publication outlines a myriad of methodologies procedures case studies and management tools that can help any organization achieve world class maintenance This book is ideal for managers manufacturing engineers programmers academics and advanced management students

Proceedings of the 10th World

Congress on Engineering Asset Management (WCEAM 2015) Kari T. Koskinen, Helena Kortelainen, Jussi Aaltonen, Teuvo Uusitalo, Kari Komonen, Joseph Mathew, Jouko Laitinen, 2016-03-25 This book comprises refereed papers from the 10th World Congress on Engineering Asset Management WCEAM 2015 held in Tampere Finland in September 2015 These proceedings include a compilation of state of the art papers covering a comprehensive range of subjects equally relevant to business managers and engineering professionals alike With a focus on various aspects of engineering asset management ranging from strategic level issues to detail level machine health issues these papers address both industry and public sector concerns and issues as well as advanced academic research Proceedings of the WCEAM 2015 is an excellent reference and resource for asset management practitioners researchers and academics as well as undergraduate and postgraduate students at tertiary institutions or in the industry

Safety and Reliability: Methodology and Applications Tomasz Nowakowski, Marek Mlynczak, Anna Jodejko-Pietruczuk, Sylwia Werbinska-Wojciechowska, 2014-09-01 Within the last fifty years the performance requirements for technical objects and systems were supplemented with customer expectations quality abilities to prevent the loss of the object properties in operation time reliability and maintainability protection against the effects of undesirable events safety and security and the ability to

Handbook of Industrial and Systems Engineering, Second Edition Adedeji B. Badiru, 2013-10-11 A new edition of a bestselling industrial and systems engineering reference Handbook of Industrial and Systems Engineering Second Edition provides students researchers and practitioners with easy access to a wide range of industrial engineering tools and techniques in a concise format This edition expands the breadth and depth of coverage emphasizing new systems engineering tools techniques and models See What's New in the Second Edition Section covering safety reliability and quality Section on operations research queuing logistics and scheduling Expanded appendix to include conversion factors and engineering systems and statistical formulae Topics such as control charts engineering economy health operational efficiency healthcare systems human systems integration Lean systems logistics transportation manufacturing systems material handling systems process view of work and Six Sigma techniques The premise of the handbook remains to expand the breadth and depth of coverage beyond the traditional handbooks on industrial engineering The book begins with a general introduction with specific reference to the origin of industrial engineering and the ties to the Industrial Revolution It covers the fundamentals of industrial engineering and the fundamentals of systems engineering Building on this foundation it presents chapters on manufacturing production systems and ergonomics then goes on to discuss economic and financial analysis management information engineering and decision making Two new sections examine safety reliability quality operations research queuing logistics and scheduling The book provides an updated collation of the body of knowledge of industrial and systems engineering The handbook has been substantively expanded from the 36 seminal chapters in the first edition to 56 landmark chapters in the second edition In addition to the 20 new chapters 11 of the chapters in the first edition have been updated with new materials Filling the gap

that exists between the traditional and modern practice of industrial and systems engineering the handbook provides a one stop resource for teaching research and practice Cases on Optimizing the Asset Management Process González-Prida, Vicente, Márquez, Carlos Alberto Parra, Márquez, Adolfo Crespo, 2021-10-15 It is critical to improve the asset management system implementation as well as economics and industrial decision making to ensure that a business may move smoothly internally Maintenance management should be aligned to the activities of maintenance in accordance with key business strategies which must be designed under the comprehensive approach of an asset management process After transforming the priorities of the business into priorities of maintenance maintenance managers will use their medium term strategies to tackle potential weaknesses in the maintenance of the equipment in accordance with these objectives Cases on Optimizing the Asset Management Process explains and summarizes the processes and the reference frame necessary for the implementation of the Maintenance Management Model MMM This book acts as an overview of the current state of the art in asset management providing innovative tools and practices from the fourth industrial revolution Presenting topics like criticality analysis physical asset maintenance and unified modelling language this text is essential for industrial and manufacturing engineers plant supervisors academicians researchers advanced level students technology developers and managers who make decisions in this field

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