

RTMS – “Best Practice Standards”



22 July 2020

The Road Transport Management System

- RTMS is an industry–led, government-supported, voluntary, self-regulation scheme that encourages consignees, consignors and road transport operators to implement a management system (a set of standards) with outcomes that contribute to preserving road infrastructure, improving road safety and increasing productivity.
- Key focus areas are:
 - load optimisation
 - driver wellness
 - vehicle maintenance
 - productivity

Road Transport Management System: Rules of Compliance

- Maintain a haulage fleet inventory
- Assess the vehicle mass before each trip
- Verify mass determination method
- Vehicle and load safety
- Vehicle maintenance
- Driver wellness (fatigue and health)
- Provide training & education
- Assign tasks and responsibilities
- Keep records and documentation
- Perform internal reviews



INTERNATIONAL
STANDARD

ISO
39001

First edition
2012-10-01

Road traffic safety (RTS) management
systems — Requirements with guidance
for use

*Systèmes de management de la sécurité routière — Exigences et
recommandations de bonnes pratiques*



Reference number
ISO 39001:2012(E)

© ISO 2012

The RTMS standards are aligned with the new ISO 39001: Road Traffic Safety management systems, released in October 2012














Road Transport Management System

RTMS

Driver Wellness • Safety • Loading • Productivity

F A T I G U E

1	2	6	M O D U L E O N E
Probable Causes	What may go wrong?	How can we achieve Minimal Risk?	
			
Insufficient sleep	Accident	Check load before departure Check load during journey Get sufficient rest	
	3		
Poor nutrition	Potential Hazards	Proper Nutrition Drug/Alcohol Test Medical Test 9 Hour Rest Interval Training/Education	
			
Drugs	Death Injury Financial Loss Environment		
	Frequency		
Alcohol	High		
	4		
	Risk Assessed if hazard occurs	Controller/Phone Check Sleep on Route	
	High		
	5		
	Risk can be		
	Minimized		

NUTRITION

1 Probable Causes	2 What May Go Wrong	3 Potential Hazards	7 How can we achieve Minimal Risk?
 Education Culture	 Fall Asleep	 Death Injury	1 Nutrition from part of training 2 Canteen on depot 3 Subsidised Meals 4 Medical Tests
 Bad Habits Poverty Planning Unbalanced Diet Hydration	 Get Sick Irritable Impatient Poor Senses Unsafe Stops	 Financial Loss Environmental Illness	 5 Water Compulsory
 Take Aways/ Facilities	 Accidents Stress Diabetes	<div>4 Frequency</div> <div>High</div> <div>5 Risk - if hazard happens</div> <div>High</div> <div>6 Risk Can Be</div> <div>Minimized</div>	 6 Vitamins
	 Heart Problems		 7 Prohibit Stops

MODULE TWO





Success Stories

- Timber Logistics Services, Umkomaas, KZN
 - Improvement in driver wellness, leading to a reduction in absenteeism
 - Reduction in breakdowns and improvement in drivers reporting breakdowns
 - 50% reduction in accidents and incidents from 5.0 per million km to 2.5 per million km
 - Reduced rollovers
 - Improvement in uptime

Golden Arrow Bus Services – May 2015

- The largest single implementation of RTMS certification ever
- 1100 Buses





Achieved Benefits



- Improved driver wellness
- Improved driver training with ongoing evaluation by in house Driver Trainer as well as external Driver Trainers
- Improved vehicle performance, less down time for major defects
- Improved fuel consumption – 4%
- Improved tyre and brake wear
- Overloads under 4% consistently for 3 years!!!!
- Reduced number of overload fines – drive and steer axle overload still a problem however
- Less vehicles weighed at the RTI weighbridge
- Speeding reduced significantly to almost ZERO
- Buy in from all parties

RTMS Certification

Overview 2005 - 2012

Overview 2005 - 2012

Fleet management was generally viewed as a **fleet maintenance service**, which led to the various activities being dealt with on a decentralised somewhat fragmented basis.

During the financial year 05 / 06 the **organisational structure** of fleet services was reviewed and consequently aligned with a proposed business model which provided functionally aligned vehicles to the operations in terms of an internal price recovery agreement.

Fleet Statistics

The Electricity Services fleet comprised a **fleet of 840 vehicles** ranging from off road utility vehicles, sedans, ldv's and panel vans to light, medium and heavy trucks as well as a variety of truck mounted aerial platforms

The fleet stock replacement cycle at the time was 33 years which was far above the industry norms for vehicle replacement. Current average Fleet stock replacement cycle 8.5 years

Functional alignment - 40% > 95%

Fleet availability – 65% > 92.7%

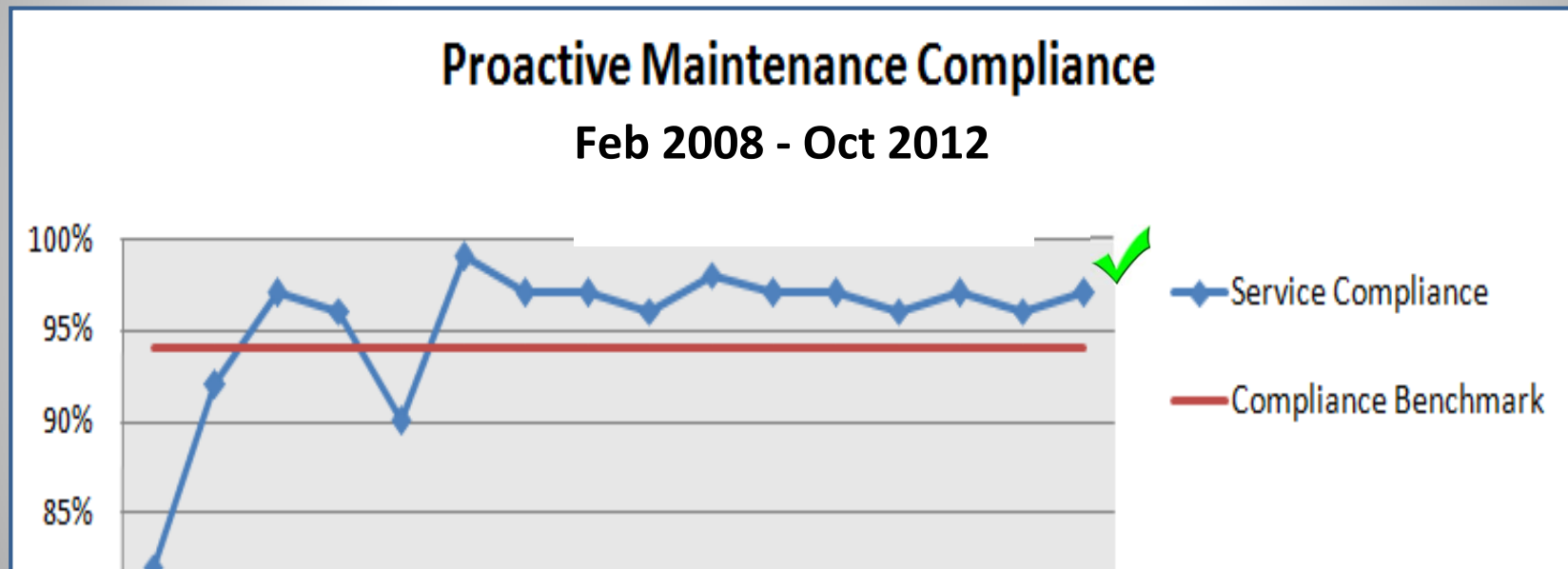


Committed to service excellence and protection of the environment

Strategy and Culture

KPI Improvements

Maintenance compliance



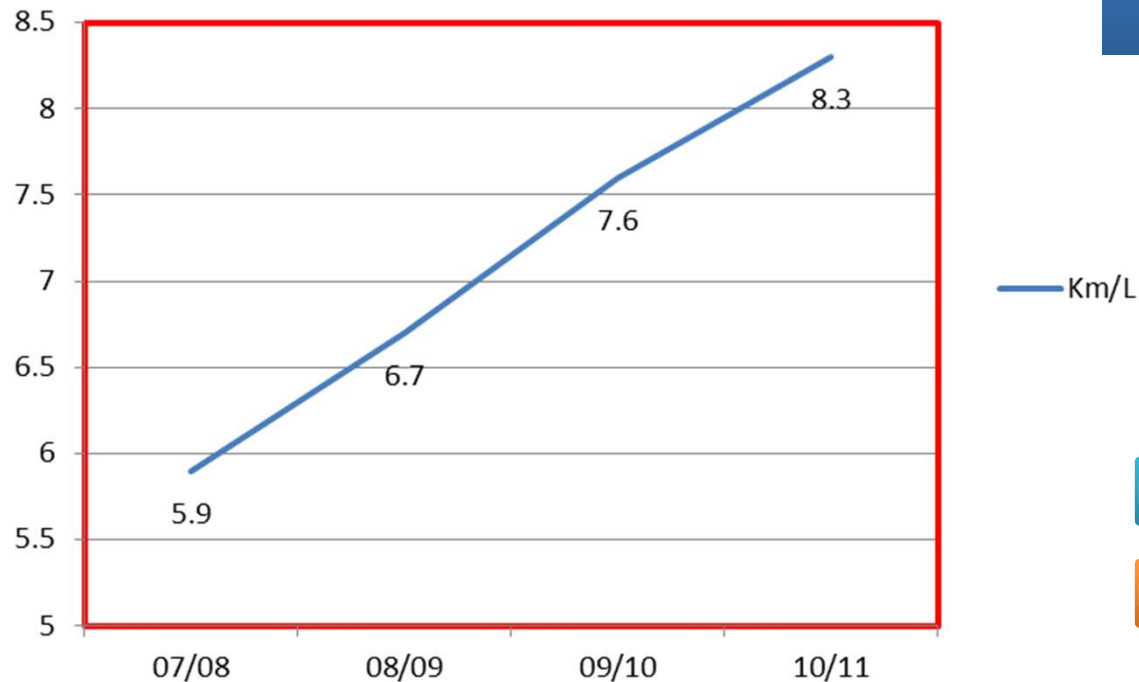
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Introduction

KPI Improvements

Fuel Consumption

Improved fuel consumption
Km/Liter



Benefits derived from
adequate investment in fleet



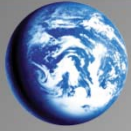
Fleet functional alignment

Fuel efficient technology

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Incident rate

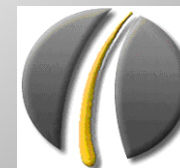




Barloworld Transport

- Barloworld Transport Overview
- Barloworld Transport currently has 32 depots in SA.
- 28 depots are RTMS certified.
- Audit Findings between 2011 and 2013 has reduced by 61%.
- In 2014 RTMS certification was obtained by 8 new depots/contracts
- Contracts have been awarded to BWT because of good internal risk and operational protocols and RTMS helped to bring this together.

Contract/Depot	2011	2012	2013
MF Paarl	2	0	0
MFPE	1	0	0
MF Randfontein		3	1
MF Delmas		2	2
MF PMB		3	1
PPCPE	1	0	0
PPC Kraaifontein	1	0	0
PPC George	0	0	0
PPC Dwaalboom	3	3	1
PPC Slurry	4	1	2
PPC Hercules	1	0	0
PPC Heriotdale	5	0	1
Toyota Cross Dock	3	2	1
Illovo Germiston		0	1
EHL Boksburg			0
Anglo Rustenburg	2	1	0
Anglo Mokopane	2	1	0
Avoca	4	3	0
Manline PMB			1
Timber24	2	1	1
	31	20	12



Road Transport Management System

RTMS

Driver Wellness • Safety • Loading • Productivity

- The way forward...

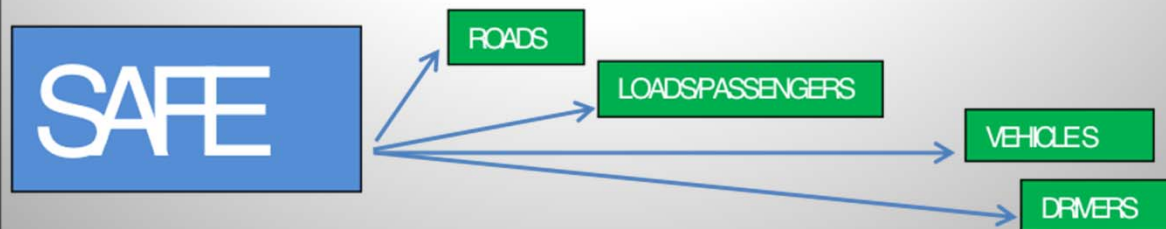
- Section 10 Company (non-profit organization)
- RTMS standard (SANS 1395) launched in 2014
- SANS 1395 is closely aligned to ISO 39001
- RTMS Certification Bodies - SANAS (ISO 17021)
- 161 RTMS certified operators / 169 depots
- Currently 31000 vehicles fall under RTMS (In 2007 when RTMS started 74 vehicles were certified)



RTMS STANDARD SANS 1395-1– MAJOR CRITERIA

LOADING CONTROL	SAFETY & COMPLIANCE	DRIVER WELLNESS	TRAINING & DEVELOPMENT
<ul style="list-style-type: none"> ✓ Payload Optimisation with minimisation of overloading ✓ Compliance with dimensional limits ✓ Safe Loading to prevent incidents ✓ Compliance with legal loading limits and/or applicable permit 	<ul style="list-style-type: none"> ✓ Daily Roadworthy verification ✓ Preventive Maintenance Process ✓ Tyre Management ✓ Prevent habitual speed exceedances ✓ Prevent excessive driving hours ✓ React to Accidents/Incident ✓ Monitor Traffic Offences ✓ Route Risk Analysis ✓ Active Promotion of Road Safety 	<ul style="list-style-type: none"> ✓ Medical Fitness verification ✓ Management of Chronic Conditions ✓ Driver Resting Period monitoring ✓ Driving Hours Monitoring ✓ Risk Awareness 	<ul style="list-style-type: none"> ✓ Annual Training Plan ✓ Focus on defensive driving, legal loading, fatigue management, with emphasis on the promotion of safe driving behaviour ✓ Mentoring, monitoring, counselling, awareness and education ✓ Training Records

EFFECTIVE IMPLEMENTATION REQUIRES DEFINED PROCESSES/PROCEDURES, WITH HISTORICAL RECORD OF CONSISTENT COMPLIANCE



THANK YOU

Kathy Bell

Cell: 082 452 0930

E-mail: Kathy.Bell@Standardbank.co.za