



SABOA CONFERENCE
Bringing the Industry Together again

9 JUNE 2022
NASREC

SABOA
Southern African Bus Operators Association
Sector of the Bus & Coach Industry

IN COLLABORATION WITH FUTUROAD

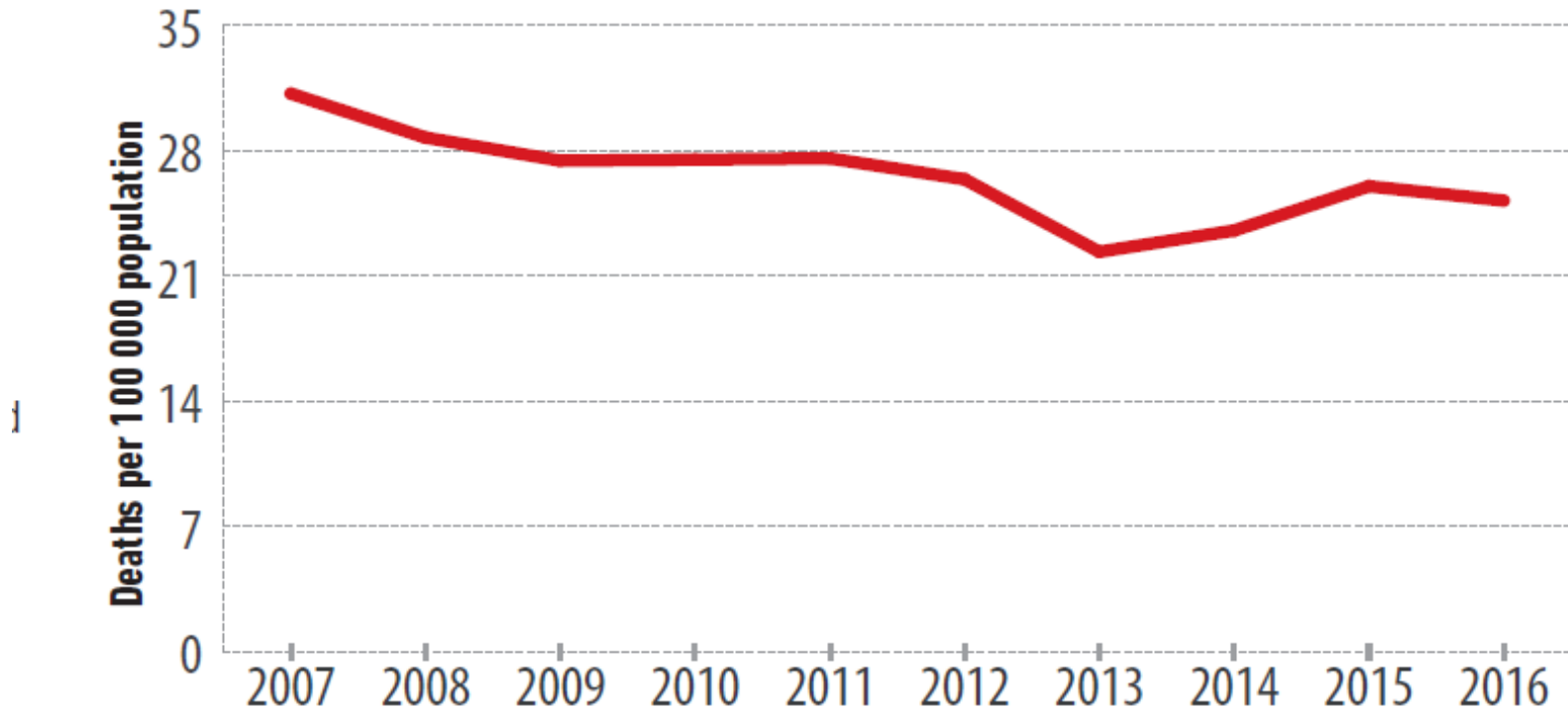
futuroad



Road Safety Overview incorporating RTMS

Oliver Naidoo
Managing Director
JC Auditors

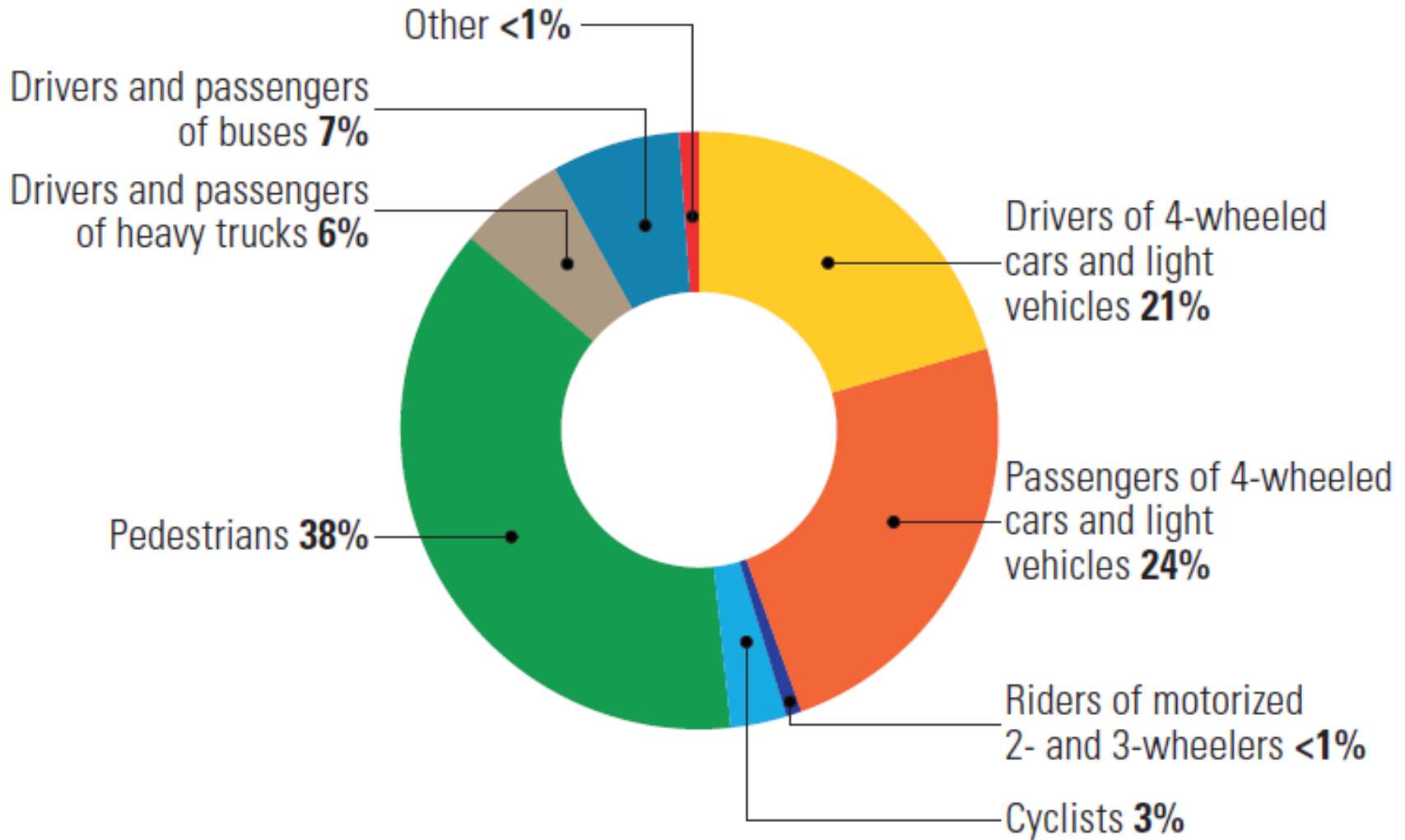
Trends in reported road traffic deaths



Source: Road Traffic Management Corporation (RTMC), Traffic calendar report 2016



Deaths by road user category



Increasing risk on the roads



Higher Traffic volumes

Increasing culture of non-compliance of all road users

“The roads are someone else’s responsibility”

Let's start in our own back yard...



No Silver Bullet to our road safety challenges



It will take concerted, sustained, disciplined and innovative approaches involving all stakeholders to make a tangible road safety impact over the long term

RTMS – South African National Standard (SANS)

ISBN 978-0-626-37294-1

SANS 1395-1:2019

Edition 2

SOUTH AFRICAN NATIONAL STANDARD

Road transport management systems

Part 1: Requirements for operators, consignors and consignees — Goods and passengers

WARNING
This document references other documents normatively.

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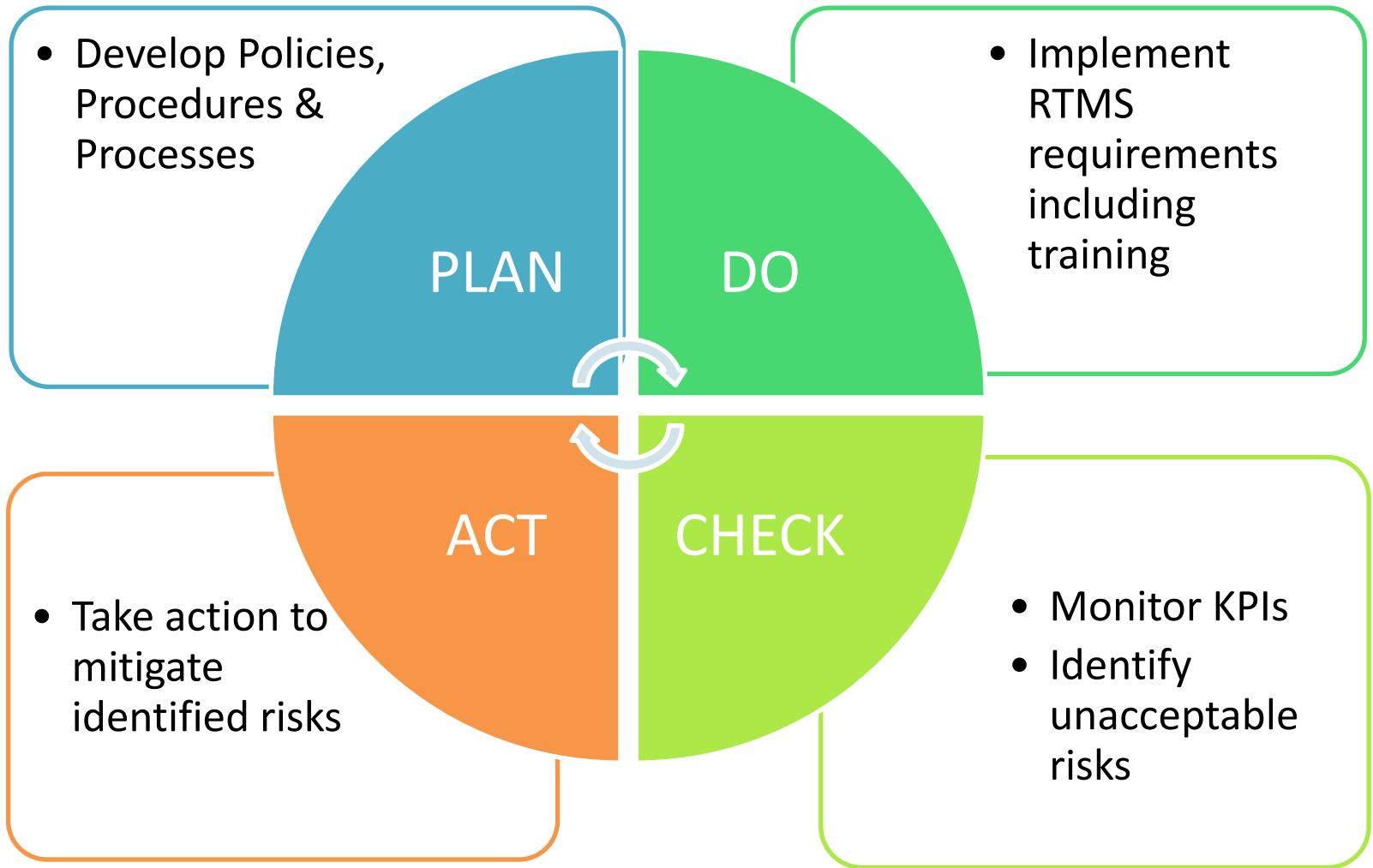
SABS

- RTMS is a South African National Standard (SANS)
- SABS TC 241 responsible for review/update
- RTMS National Steering Committee

RTMS Core Criteria



Concept of self-regulation



SANS 1395-1:2014

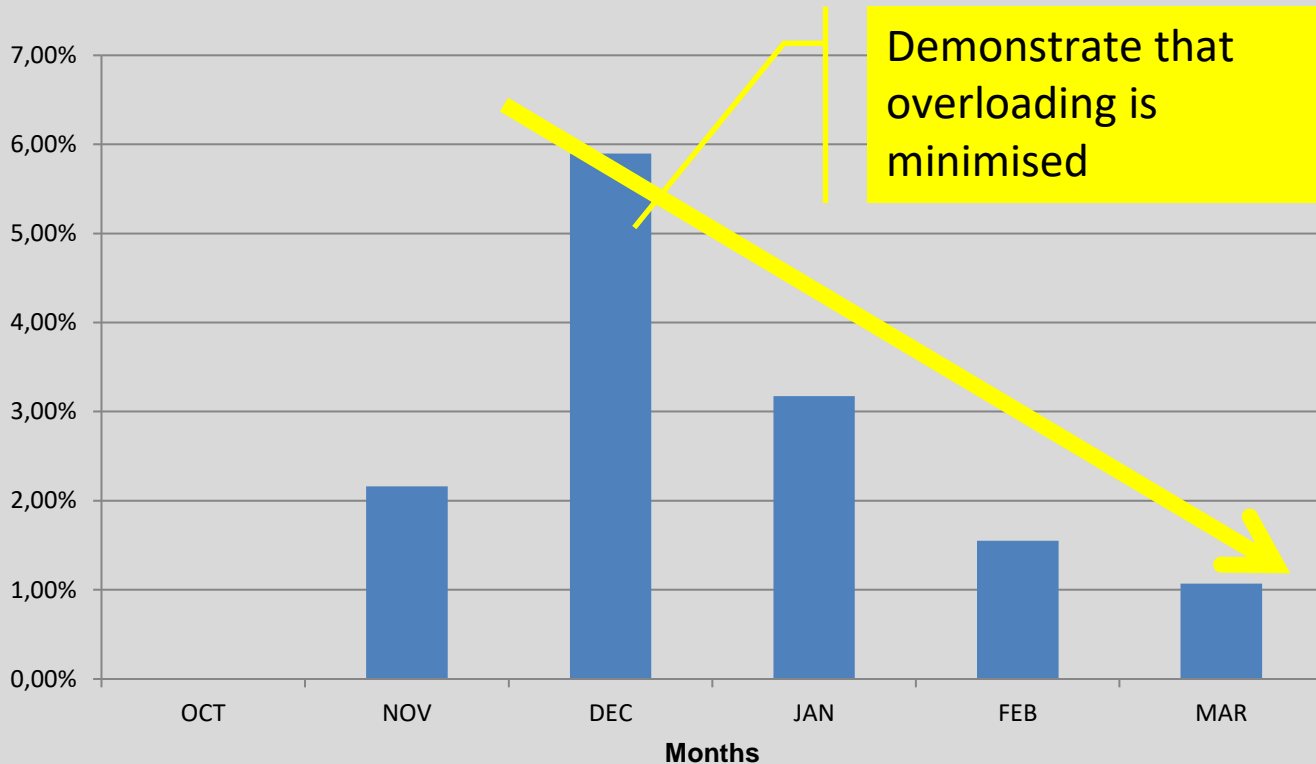
- 3.2.1 Sites
- 3.2.2 Fleet Inventory / Mass Assessment & Verification
- 3.2.3 Road Safety
- 3.2.4 Maintenance of Roadworthy Vehicles
- 3.2.5 Vehicle & Load Safety
- 3.2.6 Driver Health & Wellness
- 3.2.7 Support
- 3.2.8 Competency, Training & Awareness
- 3.2.9 Documents & Records
- 3.2.10 Performance evaluation
- 3.2.11 Internal Audit
- 3.2.12 Management Review
- 3.2.13 Continual Improvement – Efficiency & Road Safety

Loading Control



- Define carrying capacity for each bus
- Indicate measures in place to ensure passenger overloading is prevented/minimized
- Safe passenger entry/exit

Overloading Prevention



Road Safety : Safe Speed



Speed Policy/Procedure

- Must promote driving at a safe speed taking into account the speed limit, traffic density, weather conditions, road conditions etc.
- Method/process of monitoring to be defined
- Are ALL speed violations detected?
- Are ALL speed violations acted upon?
- What actions are taken?

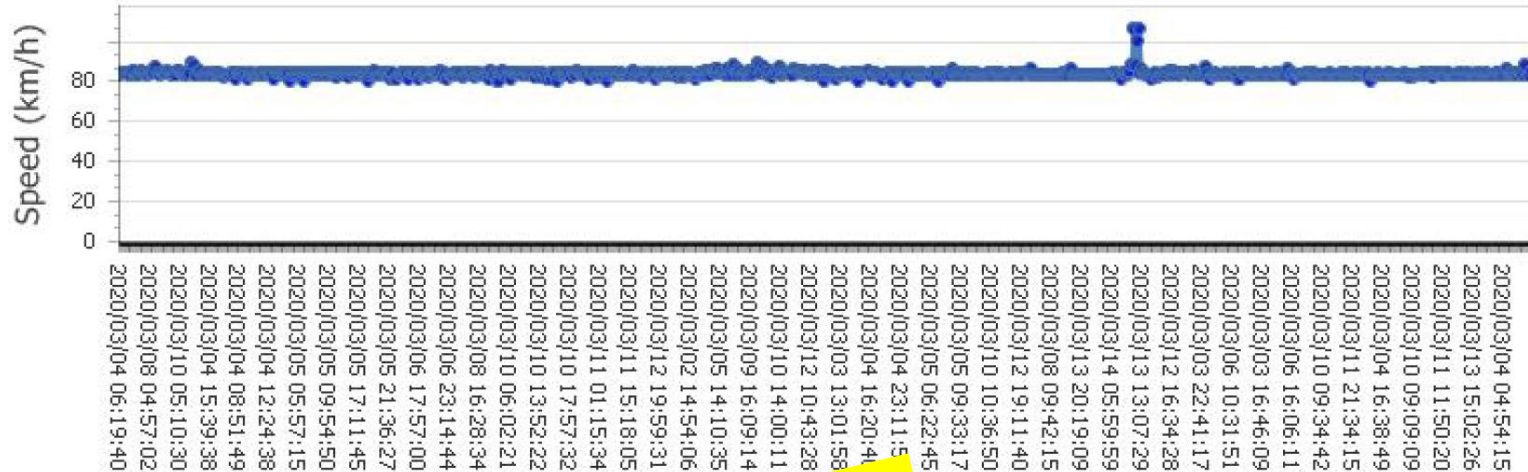
Compliance to Speed Regulations

Speed Limit:

0

End Date-Time:

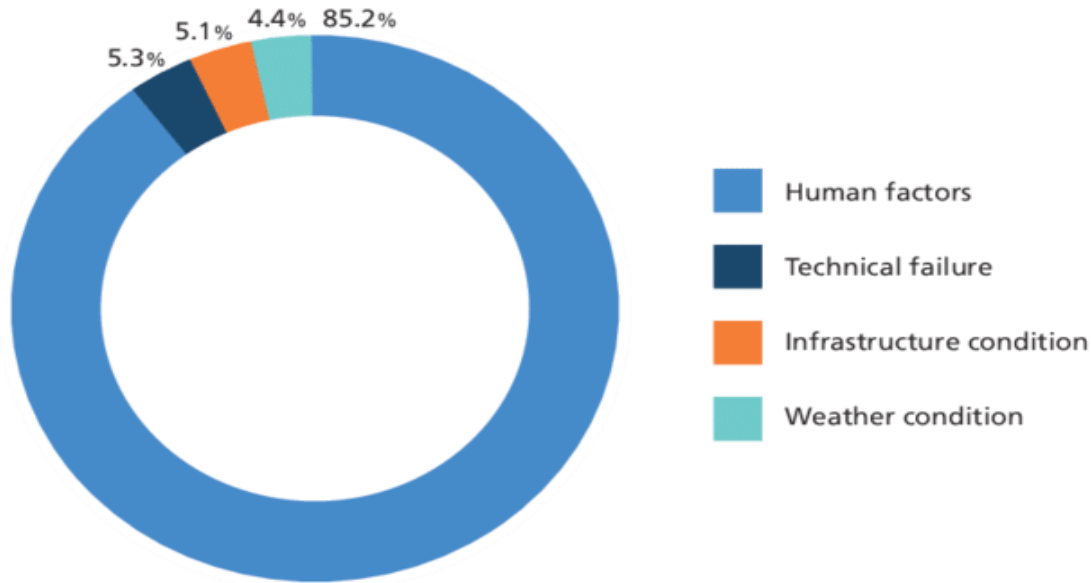
2020-03-14 10:26:23



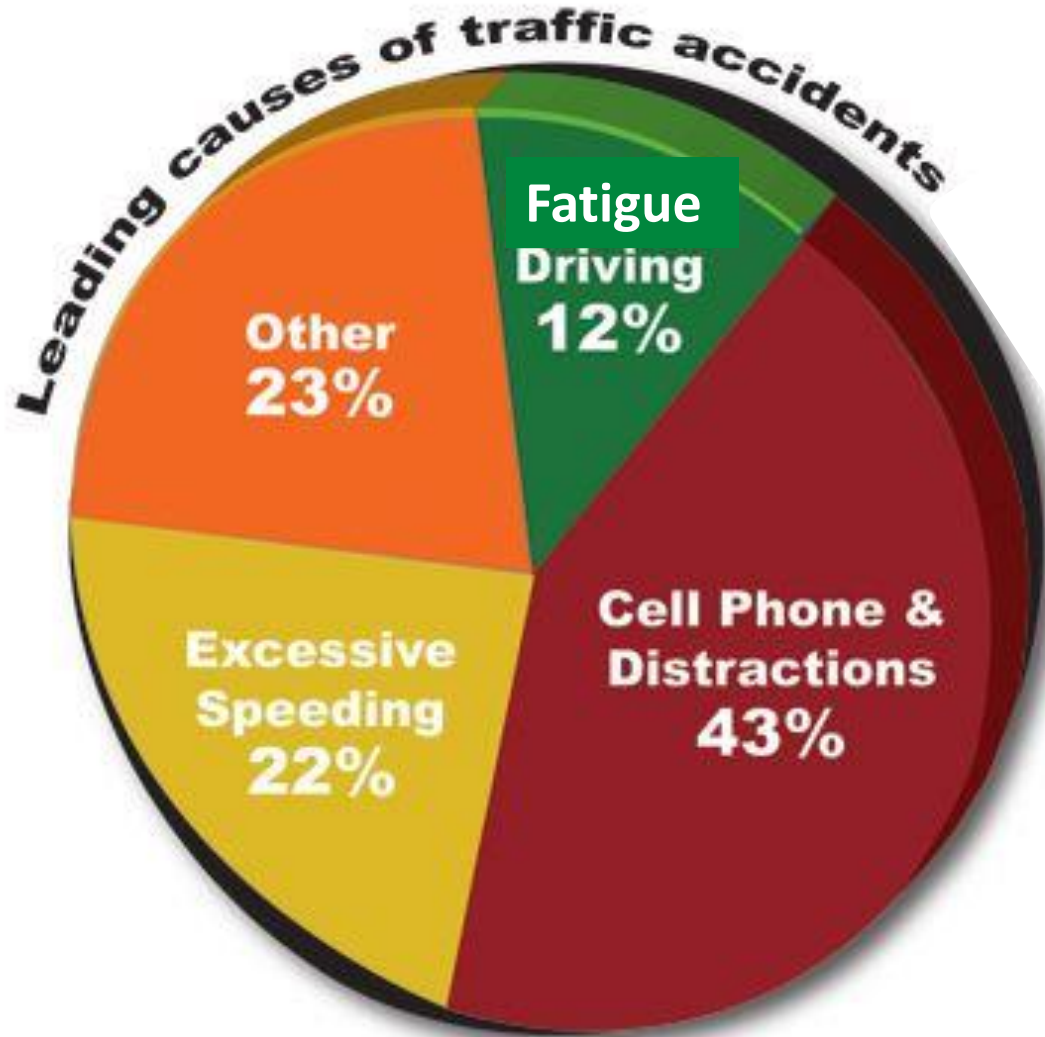
Report Time	Speed (km/h)
2020/03/04 06:19:40	83
2020/03/04 08:51:49	85
2020/03/04 15:39:38	85
2020/03/05 05:57:15	85
2020/03/05 09:54:50	85
2020/03/05 17:11:45	85
2020/03/05 21:36:27	85
2020/03/06 17:57:00	85
2020/03/06 23:14:44	85
2020/03/08 16:28:34	85
2020/03/10 06:02:21	85
2020/03/10 13:52:22	85
2020/03/10 17:57:32	85
2020/03/11 01:15:34	85
2020/03/11 15:18:05	85
2020/03/12 19:59:31	85
2020/03/14 05:59:59	95
2020/03/13 13:07:29	95
2020/03/13 20:19:09	85
2020/03/08 09:42:15	85
2020/03/12 19:11:40	85
2020/03/10 10:36:50	85
2020/03/05 09:33:17	85
2020/03/05 06:22:45	85
2020/03/04 23:11:55	85
2020/03/04 16:20:40	85
2020/03/03 13:01:58	85
2020/03/12 10:43:28	85
2020/03/10 14:00:11	85
2020/03/09 16:09:14	85
2020/03/05 14:10:35	85

Speed management improves fuel consumption, minimizes engine & tyre wear

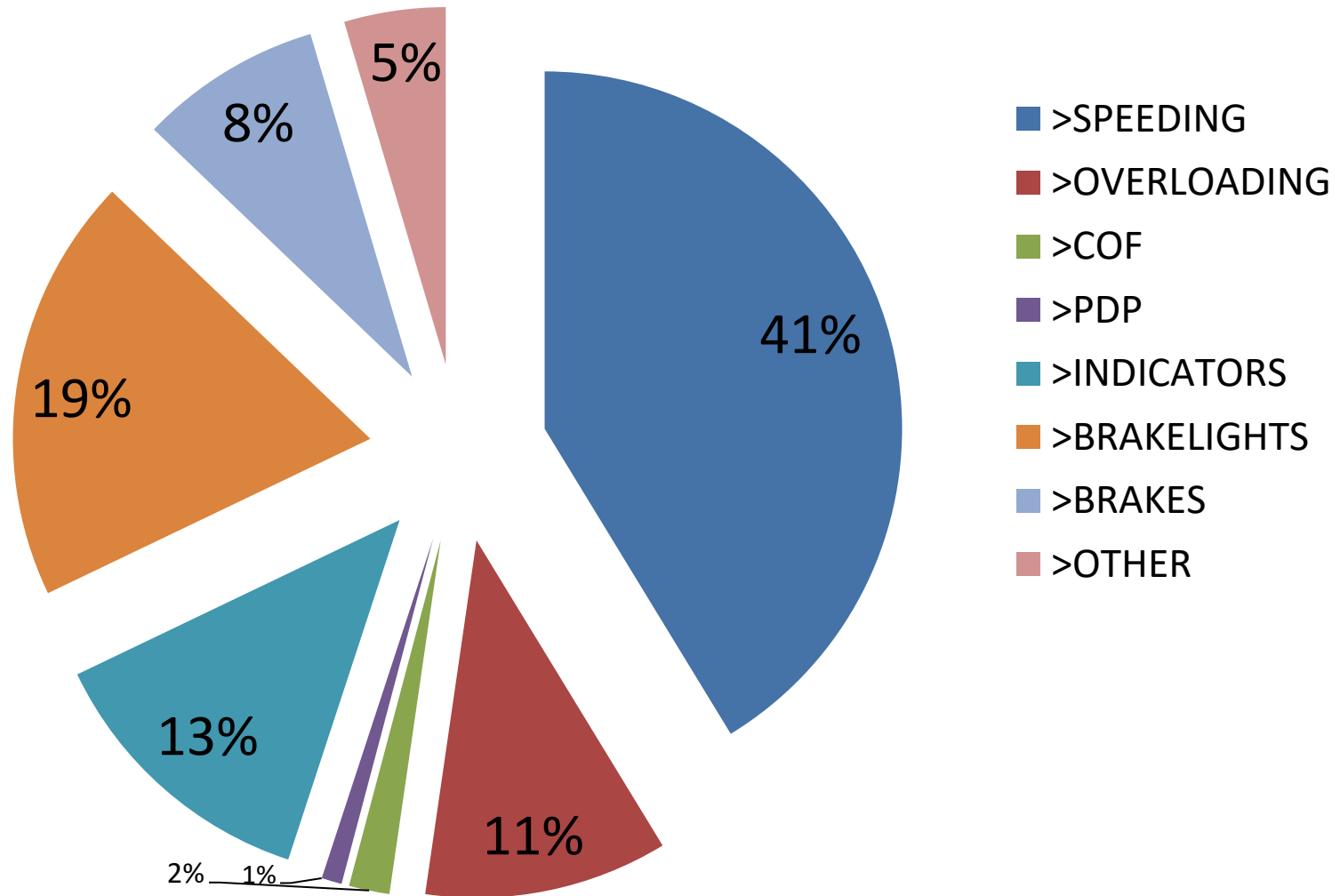
Accident Investigation & Analysis (3.2.3)



Accident Investigation & Analysis



Traffic Infringements/Offences



Vehicle Maintenance



Fleet Number	Vehicle Description	Closing Kms	Kms Last Serviced	Date Last Serviced	Service Intervals	Next Service Kms	Kms To Next Service	Type of service	Service Status
F001	ISUZU NPR 400 AMT 2014	448 186	437 660	2021/06/18	20 000	457 660	9 474	C SERVICE	Valid
F002	ISUZU FTR 850 AMT 2014	317 675	300 106	2021/04/30	20 000	320 106	2 431	B SERVICE	Valid
F003	ISUZU NPR 400 AMT 2014	508 917	489 175	2021/03/19	20 000	509 175	258	B SERVICE	Due
F004	ISUZU NPR 400 AMT 2014	356 630	340 992	2021/05/07	20 000	360 311	3 681	C SERVICE	Valid
F005	DAF-85 2013	606 243	597 710	2021/03/17	15 000	612 710	6 467	A SERVICE	Valid

Service Records

	Description of Goods / Services		Qty.
T	CUSTOMER REQUEST Fleet TT3764 Carry out 1st Telligent Service	100%	0.00
G	1054101101 SHORT TEST PERFORM	100%	0.30
G	00500001 TELLIGENT MAINTENANCE ON ENGINE: OIL SERVICE WITH FILTER CHANGE PERFORM	100%	0.70
G	00525801 EXTRA WORK FOR: GENERAL TELLIGENT MAINTENANCE, FUEL FILTER ELEMENT REPLACE VEH. WITH CODE M8Y AND WATER SEPARATOR	100%	0.20
G	00504101 TELLIGENT MAINTENANCE GENERAL FUEL FILTER SERVICE PERFORM (WITH ADDITIONAL TELLIGENT MAINTENANCE)	100%	0.30
G	00503501	100%	0.20

Service Records

WORK CARRIED OUT :
Serviced trailer
Job: 205501 (P)

DESCRIPTION	PART NO.	QTY	
Bearings	T0005	16	✓
gaskets	T0013	8	✓
split pins	T0040	8	✓
Hubs	T0015	2	✓
Wheel studs	T0051	20	✓
moving nuts	T0056	20	✓
Brake drums	B0001	2	✓
Shocks	T0098	2	✓
Top shock bolt	T0116	2	✓
Bottom shock bolt.	T0117	2	✓
greases	00032	2	✓

Tyre Management

SIZE	MAKE	PATTERN	NEW/RETIRED	SERIAL / BRAND NUMBER	RECOMMENDED PRESSURE kPa	ACTUAL PRESSURE kPa	PATTERN DEPTH mm	1	2	3	4	5	6	7	8	9	10	COMMENTS
								NO VALVE EXTENSION	INACCESSIBLE VALVE	MISSING VALVE CAP	NON-READING VALVE	MISMATCHED HAWK HOLES	CUTS AND PENETRATIONS	IRREGULAR YEAR	REMOVE FOR RETREAD/REPAIR	REMOVE/REPLACE	OTHER	

T43

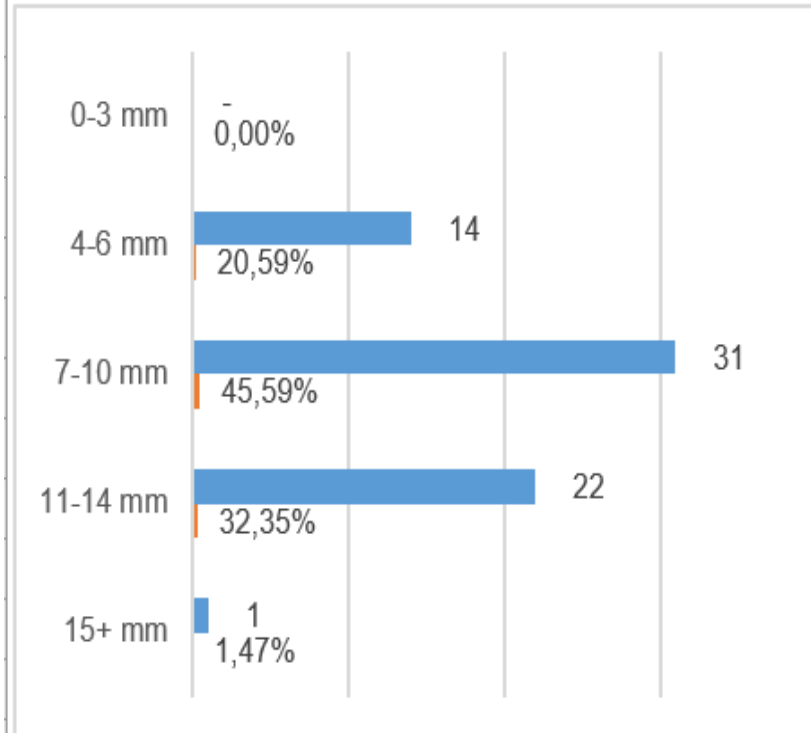
L3

REG/FLEET NO: CHK 9092 VEHICLE MAKE/MODEL: _____

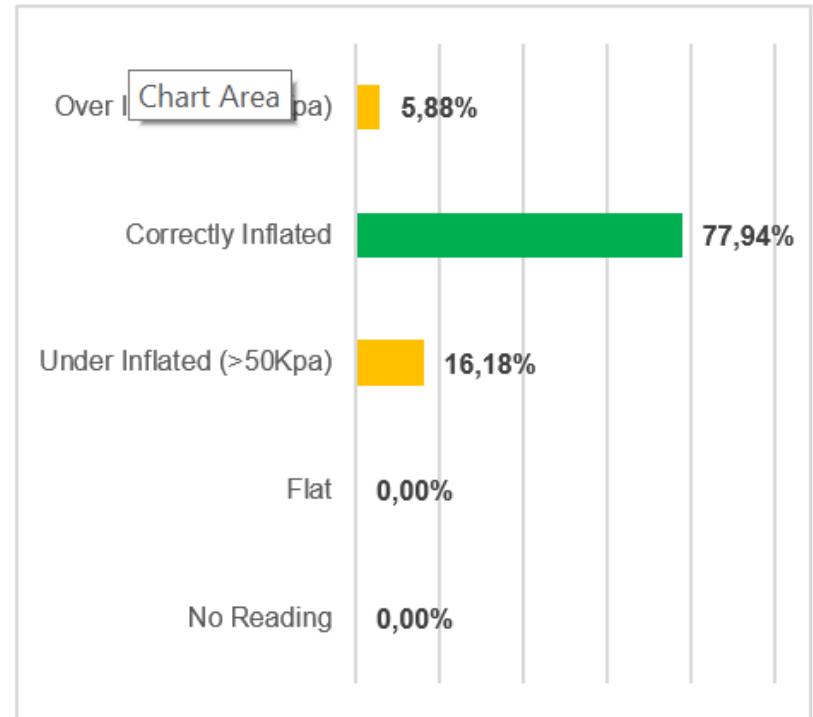
01. Right	315/80R225	Dunlop	SP320	N	191027	800	750	15											
02. Left	11	11	11	N	191026	800	680	15											
03. LO	315/80R225	11	H31	N	19129	700	600	18											Under
04. LI	11	11	11	N	-	700	580	18											Under
05. RI	11	11	11	N	-	700	600	17											Under
06. RO	11	11	11	N	19127	700	640	17											
07. LO	11	11	11	N	191020	700	600	17											Under
08. LI	11	11	11	N	-	700	700	18											
09. RI	11	11	11	N	-	700	600	19											Under
10. RO	11	11	11	N	11987	700	600	18											Under

Tyre Management

TREAD DEPTH ANALYSIS



PRESSURE ANALYSIS - %




Vehicle Pre-trip inspections

ITEMS TO BE CHECKED		HAZARD CLASS	✓ IN ORDER	✗ OUT OF ORDER	ITEMS TO BE CHECKED		HAZARD CLASS	✓ IN ORDER	✗ OUT OF ORDER
1	Stop Blocks (2)	A	/		22	Engine Mountings Secure	A	/	
2	Head Lights	A	/		23	V-Belts Not Loose	A	/	
	Fuel Leaks	A	/		24	Uprights Safe and Secure	A	/	
	Wheel Nuts	A	/		25	Cables & Shackles hooked up	A	/	
	Engine Oil Level	A	/		26	Air Hoses Connected	A	/	
	Brake Lights	A	/		27	Trailer securely hooked	A	/	
	Tail Lights	A	/		28	Load Binding Straps	A	/	
	Refers Lights	A	/		29	Driver's License	A	/	
	Indicator Lights	A	/		30	Driver's ID Document	A	/	
	Fire Extinguisher 1 x 1.9kg	A	/		31	Tri-Angles x 3	A	/	
	Mirrors Missing	A	/		32	Water Leaks	A	/	
	Safety Belt	A	/		33	Radio	B	/	
	Hooters	A	/		34	Air Conditioner	B	/	
	Reverse Hooter	A	/		35	Cab Lights Exterior	B	/	
	Wipers	A	/		36	Mud Flaps	B	/	
	Service Brake	A	/		37	Tyre Inflation (Visibly In Order)	B	/	
	Park Brake	A	/		38	Gauges	B	/	
	Tyre inspection horse	A	/		39	Structural Damage	C	/	
	Tyre inspection trailer	A	/		40	Doors/Windows	C	/	
20	Vehicle License Disc Displayed	A	/		41	Mirrors Broken / Cracked	C	/	
21	Vehicle License Valid	A	/		42	Trailer Structural Damage	C	/	

DEFECT DETAILS:-
 Air leak by the Air bags / Work done
 Renew Air bag on
 TRAILER leak Water ~~all~~ Right front DIFF AXLE
 Renew Roof on Both
 TRAILERS of NO. 36.

A HAZARD	TRUCK MUST NOT BE USED
B HAZARD	TRUCK CAN BE USED - REPAIRS ON THE NEXT DAY SHIFT
C HAZARD	TRUCK CAN BE USED - REPAIRS ON THE NEXT PLANNED MAINTENANCE

SUPERVISOR SIGNATURE 
 SUPERVISOR NAME

Driver Wellness (3.2.6)



Driver Wellness (3.2.6)

- **Medical Fitness**

- Annual medical fitness certificates
- Identification of chronic conditions (e.g diabetes, hypertension, defective vision)

- **Fatigue Management**

- Shift schedule/Driver Roster
- Rest Day Allocation
- Monitoring of driving hours

Driver Skills Development

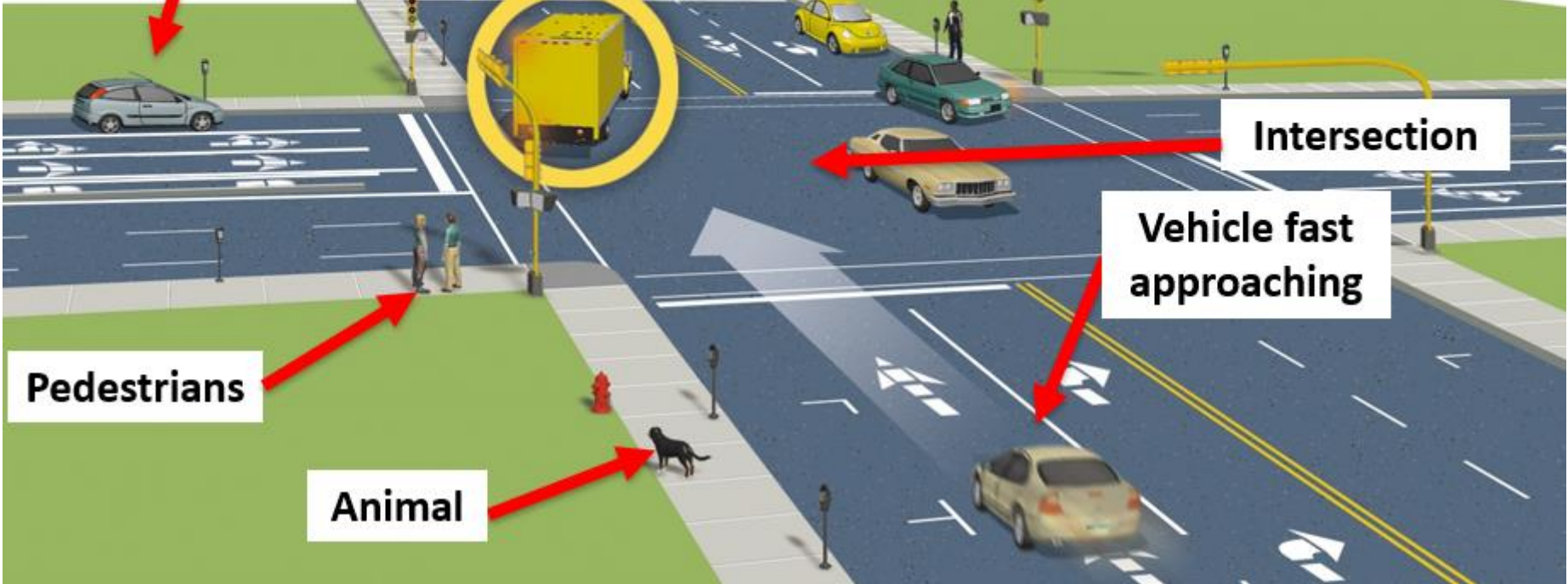
- **Planned training interventions (training plan)**
- **Key Safety/Operational Knowledge**
 - **Safe Loading**
 - **Vehicle Safety**
 - **Defensive Driving**
 - **Fatigue Management**
 - **Driver Wellness**



Driver Training Content

Scan-Identify-Predict-Decide-Execute

Vehicle in a blind spot



Intersection

Vehicle fast approaching

Pedestrians

Animal



- HOME
- WHAT IS RTMS?
- SUCCESS STORIES
- RTMS STANDARDS
- NEED CERTIFICATION?
- WORKSHOPS
- CONTACT

RTMS Workshop...



Vereeniging Workshop
Tuesday, 18 June 2013
Time : 08h00 - 13h00
Venue : ...

[Read more](#)

Information Pack



Request the RTMS Info Pack..

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RTMS Standards



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Certified Companies



List of ...

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RTMS Basics...

In order to become RTMS accredited a company must demonstrate that it has adequately implemented all the requirements of the RTMS national draft standard. RTMS compliance does not involve "rocket science", rather it requires that a company demonstrate that it manages its transport operations with due consideration to road safety, compliance and operational risks. The RTMS processes are developed so that procedures are compiled and consistently implemented to minimize the risks identified. The

In conclusion...



DAILY VEHICLE
SAFETY CHECK



FATIGUE MANAGEMENT



PREVENTIVE
MAINTENANCE



COMPLIANCE WITH ROAD
REGULATIONS



OVERLOAD PREVENTION



PROMOTION OF
DEFENSIVE DRIVING



DRIVER TRAINING



Practical Training /
Coaching /
Assessment



DRIVER WELLNESS



SAFETY PERFORMANCE
MANAGEMENT

... safe roads is the goal

RTMS – Quick View <https://bit.ly/3xhZ1IJ>

