



# Motor Vehicle Related Standards



## STANDARDS ASSOCIATION OF ZIMBABWE

Standard Code	Title
ARS ZW HS 1595:2022	Vehicle homologation
ZWS ISO 3173:1999	Road vehicles - Apparatus for measurement of opacity of exhaust gas from diesel engines operating under steady state conditions
ZWS ISO 3929:1999	Road vehicles - Measurement method for exhaust gas emissions during inspection or maintenance
ZWS ISO 3930:2001	Instruments for measuring vehicle exhaust emissions
ZWS ISO/TR 4011:1999	Road vehicles - Apparatus for measurement of the opacity of exhaust gas from diesel engines
ZWS ISO 6460:1999	Road vehicles - Measurement method of gaseous pollutants emitted by motorcycles equipped with a controlled ignition engine
ZWS ISO 6855:1999	Road vehicles - Measurement methods for gaseous pollutants emitted by mopeds equipped with a controlled ignition engine
ZWS ISO 6970:1999	Motorcycles and mopeds - Pollution tests - Chassis dyna-mometer bench
ZWS ISO/TR 9310:1999	Road vehicles - Smoke measurement of compression - Ignition (diesel) engines – Survey of short in-service tests
SADC ZW HS 946:2014	Anchorage for restraining devices in motor vehicles
ZWS 258:1982	Motor vehicle lighting and signaling equipment
SADC ZW HS 943:2014	Lights for motor vehicles
SADC ZW HS 943:2014	Lights for motor vehicles
SADC ZW HS 945:2014	Braking motor and towed vehicles, designed for low speed or for use off public roads <b>Part 1:</b> Low speed vehicles <b>Part 2:</b> Low speed trailers
SADC ZW HS 948:2014	The measurement of noise emitted by road vehicles when stationary
SADC ZWS HS 949:2014	Retro-reflective and fluorescent warning signs for road vehicles
ZWS 226:1978	Automotive V-belt drives
ZWS 922:2011	Safety tyre bands
ZWS 956:2014	Ball joints
ZWS ISO 3894:2010	Road Vehicles – Wheels/Rims for commercial vehicles – Test Methods
ZWS 223:1985	Restraining devices (safety belts) for occupants of adult built in motor vehicles
ZWS 845:1971	Reflex-reflecting vehicle number plates
SADC ZW HS 947:2014	Rear underrun protection devices
ZWS 236:1978	Safety glass for land transport
SADC ZWS HS 899:2010	High penetration – Resistant laminated safety glass for vehicles
SADC ZW HS 944:2014	The determination of performance (at net power) of internal combustion engines <b>Part 1:</b> Road Vehicle Internal Combustion Engines at Sea Level
SADC ZW HS 944:2014	<b>Part 2:</b> Compression ignition engines at altitude
SADC ZW HS 944:2014	<b>Part 3:</b> Agricultural vehicle internal combustion engines at sea level
ZWS ISO 20766: Part 1:2018	Road vehicles - liquefied petroleum gas (LPG) fuel system components. <b>Part 1:</b> General requirements and definitions
ZWS ISO 20766: Part 2:2018	Road vehicles — liquefied petroleum gas (LPG) fuel system components. <b>Part 2:</b> Performance and General test methods

ZWS ISO 20766: Part 3:2018	Road vehicles — liquefied Petroleum gas (LPG) fuel system components. <b>Part 3:</b> 80% stop valve
ZWS ISO 20766: Part 4:2018	Road vehicles — liquefied petroleum gas (LPG) fuel system components <b>Part 4:</b> Level indicator
ZWS ISO 20766: Part 5:2023	Road vehicles — liquefied petroleum gas (LPG) fuel system components. <b>Part 5:</b> Fuel selection system and electrical installations
ZWS ISO 20766: Part 6:2019/Amd 1:2022	Road vehicles — liquefied petroleum gas (LPG) fuel system components. <b>Part 6:</b> pressure relief valves (PRV)
ZWS ISO 20766: Part 7:2023	Road vehicles — liquefied petroleum gas (LPG) fuel system components. <b>Part 7:</b> Remotely controlled service valve with excess flow valve
ZWS ISO 20766: Part 8:2023	Road vehicles — liquefied petroleum gas (LPG) fuel system components. <b>Part 8:</b> Fuel pump
ZWS ISO 20766: Part 9:2019	Road vehicles — liquefied petroleum gas (LPG) fuel system components <b>Part 9:</b> Pressure relief Devices (PRD)
ZWS ISO 20766: Part 10:2019	Road vehicles - liquefied Petroleum gas (LPG) fuel system components <b>Part 10:</b> Gas-tight housing
ZWS ISO 20766: Part 11:2020	Road vehicles — liquefied petroleum gas (LPG) fuel system components <b>Part 11:</b> Manual shut-off valve
ZWS ISO 20766: Part 12:2019	Road vehicles — liquefied petroleum gas (LPG) fuel system components <b>Part 12:</b> Non-return valve
ZWS ISO 20766: Part 13:2022	Road vehicles — liquefied petroleum gas (LPG) fuel system components <b>Part 13:</b> Multivalve
ZWS ISO 20766: Part 14:2023	Road vehicles — Liquefied petroleum gas (LPG) fuel system components <b>Part 14:</b> Vaporizer/pressure regulator
ZWS ISO 20766: Part 15:2023	Road vehicles — Liquefied petroleum gas (LPG) fuel system components <b>Part 15:</b> Excess flow valve
ZWS ISO 20766: Part 16:2023	Road vehicles — Liquefied petroleum gas (LPG) fuel system components: <b>Part 16:</b> Injectors and gas mixing device/fuel rail
ZWS ISO 20766: Part 17:2022	Road vehicles — Liquefied petroleum gas (LPG) fuel system components: <b>Part 17:</b> Gas dosage unit
ZWS IEC 60364:Part 4-42:2014	Low voltage electrical installations <b>Part 4-42:</b> Protection for safety – protection against thermal effects
ZWS IEC 62196: Part 1:2014	Plugs, socket-outlets, vehicle connectors and vehicle inlets – conductive charging of electric vehicles <b>Part 1:</b> General requirements
ZWS IEC 62196: Part 2:2016	Plugs, socket-outlets, vehicle connectors and vehicle inlets – conductive charging of electric vehicles <b>Part 2:</b> Dimensional compatibility and interchangeability requirements for A.C. pin and contact-tube accessories
ZWS IEC 61851: Part 1:2017	Electric vehicle conductive charging system <b>Part 1:</b> General requirements
ZWS IEC 61851: Part 21-1:2017	Electric vehicle conductive charging system <b>Part 21-1:</b> Electric vehicle on-board charger EMC requirements for conductive connection to AC/DC supply
ZWS IEC 61851: Part 21-2:2018	Electric vehicle conductive charging system <b>Part 21-2:</b> Electric vehicle requirements for conductive connection to an AC/DC supply – EMC requirements for off-board electric vehicle charging systems
ZWS IEC 61851: Part 23:2014	Electric vehicle conductive charging system <b>Part 23:</b> DC electric vehicle charging station
ZWS IEC 61851: Part 24:2014	Electric vehicle conductive charging system

	<b>Part 24:</b> Digital communication between a D.C EV charging station and an electric vehicle for control of D.C charging
ZWS IEC 61980: Part 1: 2020	Electric vehicle wireless power transfer (WPT) systems <b>Part 1:</b> General requirements
ZWS IEC TS 61980: Part 2: 2019	Electric vehicle wireless power transfer (WPT) systems <b>Part 2:</b> Specific requirements for communication between electric road vehicle (EV) and infrastructure
ZWS IEC 62576:2018	Electric double-layer capacitors for use in hybrid electric vehicles – test methods for electrical characteristics
ZWS IEC 62840: Part 1:2016	Electric vehicle battery swap system <b>Part 1:</b> General and guidance
ZWS IEC 62840: Part 2:2016	Electric vehicle battery swap system <b>Part 2:</b> Safety requirements
ZWS IEC 62840: Part 3:2021	Electric vehicle battery swap system <b>Part 3:</b> Particular safety and interoperability requirements for battery swap systems operating with removable RESS/battery systems
ZWS IEC 63119: Part 1:2019	Information exchange for electric vehicle charging roaming service <b>Part 1:</b> General
ZWS 150:1975	Matrices for tyre reconditioning
ZWS 255:1982	Tyre reconditioning
ZWS 305:1991	Pneumatic tyre valves
SADC ZWS HS 318:2003	Uniform provisions concerning the approval of pneumatic tyres for commercial vehicles and their trailers
SADC ZWS HS 328:2003	Uniform provisions concerning the approval of pneumatic tyres for motor vehicles and their trailers
SADC ZW HS 979:2014	Uniform provisions concerning the approval of retro-reflecting devices for power driven vehicles and their trailers
ZWS 1038	Motor vehicles, tyres, rims-dimensions, and loads. <b>Part 1:</b> 2018 General
ZWS 1038	<b>Part 2:</b> 2018 Passenger car tyres
ZWS 1038	<b>Part 3:</b> 2018 Commercial vehicle tyre
ZWS 1038	<b>Part 4:</b> 2018 Motorcycles and scooter tyres
ZWS 1038	<b>Part 5:</b> 2019 Off-the-road vehicle tyres
ZWS 1038	<b>Part 6:</b> 2019 Agricultural vehicle tyres
ZWS 1038	<b>Part 7:</b> 2019 Industrial Vehicle tyres
ZWS 1038	<b>Part 10:</b> 2019 Rim Contours
ZWS 1081:2022	Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train
ZWS 1082:2022	Uniform provisions concerning the approval of passenger cars powered by an internal combustion engine only, or powered by a hybrid electric power train with regard to the measurement of the emission of carbon dioxide and fuel consumption and/or measurement of electric energy consumption and electric range, and or categories M1 and N1 vehicles powered by an electric power train

	only with regard to the measurement of electric energy consumption and electric range
ZWS 1083:2023	Uniform provisions concerning the approval of: <b>I.</b> Specific components of motor vehicles using compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion system <b>II.</b> Vehicles with regard to the installation of specific components of an approved type for the use of compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion System
ZWS 1085:2022	Uniform provisions concerning the approval of specific LPG (liquefied petroleum gases) retrofit systems to be installed in motor vehicles for the use of LPG in their propulsion system and specific CNG (compressed natural gas) retrofit systems to be installed in motor vehicles for the use of CNG in their propulsion system
ZWS 1009:2016	Vehicle security – Whole of vehicle marking Datadot systems
ZWS ISO 3779:1998	Road vehicles-Vehicles identification number (VIN) Content and structure
ZWS ISO 4925:2020	Road vehicles – Specification of non-petroleum-based brake fluids for hydraulic system
ZWS ISO 4926:2020	Road vehicles – Hydraulic braking systems – Non-petroleum-based reference fluid
ZWS ISO/TR 8357:1998	Road vehicles – Instructions for the implementation of the assignment of world manufacturer identifier (WMI) codes for vehicle identification number (VIN) systems and for world parts manufacturer identifier (WPMI) codes.
ZWS ISO 16924:2016	LNG stations for fuelling vehicles
ZWS ISO/TS 16949:2009	Quality management systems – Particular requirements for the application of ISO 9001:2008 for automotive production and relevant service part organizations
ARSO ZW HS 1357:2022	Vehicle testing station evaluation
SADC ZWS HT 105 Part 1:2020 ARS ZW HS 1355 Part 1:2022	Vehicle Standards – Specification For vehicle Road Worthiness <b>Part 1:</b> Roadworthiness of vehicles already in use
SADC ZWS HS HT 105 Part 2 :2020 ARS ZW HS 1355: Part 2:2022	Vehicle Standards – Specification For vehicle Road Worthiness <b>Part 2:</b> Roadworthiness of vehicles prior to entry into service and thereafter
SADC ZWS HS HT 105 Part 3 :2020 ARS ZW ARS HS 1355 Part 3: 2022	Vehicle Standards – Specification For vehicle Road Worthiness <b>Part 3:</b> Supporting Information
SADC ZWS HS HT 105 Part 4 :2020 ARS ZW HS Part 4:2022	Vehicle Standards – Specification For vehicle Road Worthiness <b>Part 4:</b> Requirements for vehicles examiners
SADC ZWS HT 105 Part 5 :2020 ARS ZW HS 1355:2020	Vehicle Standards – Specification For vehicle Road Worthiness <b>Part 5:</b> Requirements for Testing Equipment
SADC ZWS HT 105 Part 6 :2020 ARS ZW HS 1355:Part 6:2022	Vehicle Standards – Specification For vehicle Road Worthiness <b>Part 6:</b> Requirements For Combination Of Vehicles

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P. J. Machuve  
0773391884

**Chief Information Officer – Standards Development and Information and Training**