

SAZ UPDATE

ZWS 960.4:2016

ZIMBABWE STANDARD FOR

The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations

Part 4: the transportation of LP gas including the design, construction, inspection, fittings, filling, maintenance and repair of LP gas bulk vehicles and rail tanks cars



Contents	Page
Introduction	
How SAZ Standards are developed	2
How to use this publication	3
Section 1: Standards Projects in progress	6
Section 2: Standards published during the preceding month	35
Section 3: Standards reprinted during the preceding six months	38
Section 4: Amendments published during the preceding six months	38
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INTRODUCTION

The Standards Association of Zimbabwe (SAZ) is the National Standards Body of Zimbabwe.

The SAZ depends on the work of its technical committees (TC), whose members give their time and effort without pay or reward, to develop generally acceptable national standards. The basic principles are; that SAZ carries out its task in the national interest, takes account of all significant view points, secures appropriate representation at all technical committee levels and has an authoritative body of opinion behind every ZWS Standard. International Standards are adopted only if they are found applicable to the Zimbabwe situation.

SAZ also adopts regional harmonized texts as required by the regional trade protocol. This work programme is published as fulfillment of the national standards body's obligation to publish a work programme of standards currently under preparation and standards which it has adopted under the WTO/TBT Agreement Annex 3 Code of Good Practice for the Preparation, Adoption and Application of Standards (Clause J). It is published twice a year.

HOW SAZ STANDARDS ARE DEVELOPED

SAZ Standards are developed on the basis of a project approach consisting of the following stages:

- a) proposal stage
- b) preparatory stage
- c) committee stage
- d) draft for public comment stage and
- e) publication stage

During the development of Zimbabwe Standards, drafts are circulated to Technical Committee and or Subcommittee members for perusal and comment. Differences of view on technical content of a standard are resolved through consensus. The technical committee ultimately produces a final draft which is then circulated for comment, not only to technical committee members but also to standards council members, other national standards bodies and any other organizations and persons who have indicated an interest in the project. Final drafts are also posted on website and workshopped as necessary. This procedure is designed to ensure that the published standard is acceptable to as many interested groups as possible.

The SAZ Standards Development Update contains a list of all the standards projects that are in progress and a list of national Standards and amendments published during the previous six-month period. The SAZ Standards Development Update is published twice a year, in January and July.

HOW TO USE THIS PUBLICATION

1. Standards Projects in Progress

1.1 Reference No.

The reference number of the project is given in the left hand column 1. The number consists of:

- a) The initials of the Standards Council under which the project falls e.g. BC - Building and Civil Engineering Standards Council.
- b) The technical committee number.
- c) "D" stands for draft.
- d) The number of the standard once published

e.g. BC 2 - D 528
a) b) c) d)

A list of SAZ technical committees is contained in the SAZ TC Catalogue available from the Standards Development Division at the SAZ.

Projects are grouped in order of the Standards Council.

1.2 Title

Column 2 contains the title of each proposed standard.

1.3 Stage

Column 3 indicates the principle stages involved. A project is indicated as having reached a particular stage when action or decision indicated at that stage has been taken.

Where ISO/ TC drafts are being reviewed and voted on by SAZ's National mirror committees, the stage of the ISO drafts is indicated as follows:

ISO/WD	ISO Working document
ISO/CD	ISO Committee draft
ISO/DIS	ISO Draft international standard
ISO/FDIS	ISO Final draft international standard
ISO/DTR	ISO Draft technical report

1.4 International Classification for Standards (ICS)

Column 4 lists the ICS number(s) under which the subject matter is classified.

1.5 Edition

Column 5 indicates the edition of the standard currently being developed under this project.

1.6 International Relationship

The last column indicates the relationship of the proposed standard to an International Standard (IS). The following abbreviations have been used:

IDT	<i>An identical standard:</i> a standard identical in every detail with a corresponding IS. The vice versa principle is fulfilled.
M	<i>Modified:</i> National standard is modified in relation to the IS. Modifications are identified in the national prefix. The vice versa principle is not fulfilled.
NEQ	<i>Not equivalent:</i> a national standard not equivalent to the international standard in technical content or presentation.

2. Standards Published

2.1 Reference No.

The reference number in the left hand column 1 is the number of the ZWS Standard and is in numerical order.

2.2 Issue

Column 2 indicates the year in which the standard was published. For adopted International Standards, the issue refers to year in which the International Standard was adopted by SAZ.

2.3 Project Number

Column 3 indicates the reference number of the project under which the standard was developed. (Refer to 1.1).

2.4 Title

Column 4 contains the title of the published standard.

2.5 International Classification for Standards (ICS)

Column 5 indicates the ICS number(s) under which the subject matter is classified.

2.6 Edition

Column 6 indicates the edition of the approved standard.

2.7 International Relationship

The last column indicates the relationship of the published standard to an International or European Standard. Refer to 1.6 for abbreviations used:

3. Standards Reprinted

3.1 Reference No.

The reference number in the left hand column 1 is the number of the national Standard and is in numerical order.

3.2 Issue

Indicates the year in which the standard was reprinted.

3.3 Title

Column 3 contains the title of the reprinted standard.

3.4 Incorporated Amendments

Column 4 lists the amendments incorporated into the reprint.

3.5 International Classification for Standards (ICS)

The last column indicates the ICS number(s) under which the subject matter is classified.

4. Amendments Published

4.1 Reference No.

The reference number in the left hand column 1 is the number of the amendment published.

4.2 Standard No.

Column 2 is the number of the standard to which the amendment was issued.

4.3 Title

Column 3 is the title of the standard to which the amendment was issued.

4.4 Scope of Amendment

Column 4 indicates the scope of the amendment.

4.5 International Classification for Standards (ICS)

The last column indicates the ICS number(s) under which the subject matter is classified.

SECTION 1: STANDARDS PROJECTS IN PROGRESS

Automotive and Transportation (AT)

1	2	3	4	5	6
Reference No.	Project/Title	Stage	ICS	Edition	Regional/sub regional and relationship
AT 001/SADCSTAN TC 2 ECE R52:	Uniform provisions concerning the approval of M2 and M3 small capacity vehicle with regard to their general construction.	NWIP	43.040.20	1	Idt SADCSTAN
ECE R104	Uniform provisions concerning the approval of M2 and M3 small capacity vehicle with regard to their general	NWIP	43.040.20	1	“
SANS 10299-1	Transportation of dangerous goods – packaging and large packaging for road and rail transportation. Part 1: Packaging	NWIP	43.040.20	1	“
SANS 1518:	Transportation of dangerous goods- Packaging and large packaging for road and rail transportation.	NWIP	43.020.20	1	“
ECE R107	: Uniform provision concerning the approval of M2 and M3 small capacity vehicles with regard to their general construction.	NWIP	43.020.20	1	“
SANS 20027	Uniform provisions for approval of advance warning triangles. <i>(conflicts with SI 154)</i>	FDHT	43.040.65	1	“
SANS 1207	Braking	FDHT	43.040.40	1	“
SANS 20013	Approval of vehicles of category M, N and O with reference to braking	FDHT	43.040.20	1	“
SANS 3000-1	Uniform provision concerning the approval of safety glazing material and their installation on vehicles.	FDHT	81.040.30		“
SANS 20003	Uniform provisions concerning the approval of retro-reflective for power driven vehicles and other trailers <i>(conflicts with SI 154)</i>	FDHT	43.040.20	1	“
SANS 10181	The measurement of noise emitted by road vehicles when stationary	FDHT	17.140.30 43.020	1	“
EN 115	Safety rules for the construction and installation of escalators and conveyors	FDHT	91.140.90	1	“

AT 001/SADCSTAN TC 2 EN 13015	Maintenance for lifts and escalators – Rules for maintenance instruction	FDHT	91.140.90	1	Idt SADCSTAN
SANS 1051	Brakings Part 1: General	NWIP	43.040.40	1	“
	Part 4: Spring braking	NWIP	43.040.40	1	“
	Part 5: Parking brakes mechanically locked brake cylinder type	NWIP	43.040.40	1	“
	Part 6: Distribution of breaking effort and compatibility of vehicles in combustion	NWIP	43.040.40	1	“
SANS 20027	Uniform provision for approval of advance warning triangles	SAZ publication Adoption on hold due to conflict)	43.040.20	1	“
AT 001 (National work)	Speed monitoring equipment	Committee	43.040.30	1	
	Speed limiting devices	Committee	93.080.30	1	
AT 001 SADCSTAN TC2/SARA 001	Railway safety management	FDHS	03.220.30	1	Idt SADCSTAN
AT 001 SADCSTAN TC 2/SARA 002	Technical requirements for Engineering and operational Standards - General	FDHS		1	Idt SADCSTAN
SADCSTAN TC 2 FDHS SARA 003	Technical requirements for eng operational standards – Track, c infrastructure	FDHS		1	Idt SADCSTAN
SADCSTAN TC 2 FDHS SARA 004	Technical requirements for engineering and operational standards – Rolling stock. standards - Track, civil and elec - Level crossings	FDHS	45060.01	1	Idt SADCSTAN
SADCSTAN TC 2 FDHS SARA 005	Human Factors Management for engineering and operational	FDHS	03.100.30	1	Idt SADCSTAN
SADCSTAN TC	COP for testing and inspecting of motor vehicles for road worthiness	NWIP	43.020	1	
AT 002/SC 1 ISO 26865	Road vehicles – Brake lining friction material – Standard performance test procedures for commercial vehicles with our	Preparatory	43.040.40	1	Idt ISO 26865
ISO 26866	Road vehicles – Standard wear test procedure for commercial vehicles with air brakes	Preparatory	43.040.40	1	Idt ISO 26866

AT 002/SC 1 ISO 26867	Road vehicles – Brake lining friction materials - Frictional behaviour assessment for automotive brake system	Preparatory	43.040.40	1	Idt ISO 26867
AT 006 ZWS D -	Diesel wall flow filters	Abeyance	75.160.20	1	

Building and Civil Engineering

1	2	3	4	5	6
Reference No.	Project/Title	Stage	ICS	Edition	Regional, International relationship
BC 004 ZWS DI60	Basic data for design of building loads and forces Part 2: Dead and imposed loads	Abeyance	91.080	2	
ZWS DI70	Structural use of concrete Part 2 Design charts for singly reinforced beams Part 3: Design charts for circular columns and prestressed	Abeyance	91.080.40 91.080.40	2 2	
BC 005) (SADCSTAN) SANS 1129	Steel door frames	Final draft	91.060.50	1	Idt SADCSTAN
BC 005 ZWD -	Interlocking stabilized soil blocks (ISSB)	Committee		1	
BC 012 ZWS D 1020	Biogas systems COP Part 1: Design, installation, operation and maintenance of biogas systems Part 2: Biogas micro grinds	Committee	75.020	1	
BC 012 ISO DIS 20675	Terms, definitions and classification scheme for the biogas products, conditioning, upgrading and utilization	Committee	75.020		Idt iSO DIS 20675
BC 048 ZWD 877	Testing concrete (various parts) Part 1: Methods of sampling fresh concrete on site Part 2: Method for making test asbestos from fresh concrete Part 3: Method of normal wiring of test specimens Part 5: Specification for compression testing machines for concrete Part 6: Method for determination of density of hardened concrete Part 7: Method for determination of pump	Committee Committee Committee	91.100.30 91.100.30 91.100.30	1 1 1	Idt
ZWS D	Revision of cement ZWS				

Chemicals

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International and regional Relationship
CH 001 ZWS 207	Calcium hypochlorite and chlorinated lime	Committee	71	2	
CH 001 D-	Sodium hypochlorite	Committee	71	1	
	Sodium silicate	Committee	71	1	
	Cleaning detergents (several)	Committee	71	1	
	Chemicals used for treatment of water intended for human consumption – Sodium aluminate	Committee	71	1	EN
	Chemicals used for treatment of water intended for human consumption – Poyaluminium chloride hydroxide silicate	Committee	71	1	EN
	Chemicals used for treatment of water intended for human consumption – Aluminium sulphate	Committee	71	1	EN
	Chemicals used for treatment of water intended for human consumption – Sodium carbonate	Committee	71	1	“

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International and Regional Relationship
	Chemicals used for treatment of water intended for human consumption – Sodium hydrogen carbonate	Committee	71	1	“
	Chemicals used for treatment of water intended for human consumption – Chlorine	Committee	71	1	“
	Chemicals used for treatment of water intended for human consumption – Copper sulfate	Committee	71	1	“
	Products used for treatment of water intended for human consumption – Inorganic supporting and filtering materials – Methods of test	Committee	71	1	“
	Chemicals used for treatment of water intended for human consumption – Chemicals for emergency use – Sodium dichloroisocyanurate, dehydrate	Committee	71	1	“
	Safety data sheet for chemical products – Content and order of sections	Committee	71	1	“
CH 003 - D	<u>CH 003-D</u> Fuel additives	Committee (on hold)	75.160	1	
SADCSTAN TC 16	Ethanol specification	NWIP	75.160	1	SADCSTAN
ZWS 719	Bio diesel blend 100	Final draft	75.160	2	
ZWS D751	Diesel	Publication		2	
ZWS 753	Petrol	Publication	75.160	2	
ZWS 962	Ethanol	Publication	75.160	2	
ZWS 963	Illuminating Paraffin	Reconfirmed	75.160	2	
ZWS 964-1	Ethanol Blend: E5	Publication	75.160.20	2	
ZWS 964-2	Ethanol Blend: E10	“	75.160.20	2	
ZWS 964-3	Ethanol Blend: E20	‘	75.160.20	2	
ZWS 964-4	Ethanol Blend: E85	“	75.160.20	2	
ZWS 964-5	Ethanol Blend: E15	‘	75.160.20	2	
ZWS 965	Liquefied Petroleum Gas (LPG)	“	75.160.30	2	
ZWS 967	Bio diesel blend:B5	“	75.160.20	2	
CH 005	Cement based paint	Preparatory	87.040	1	
	Lime based paint	Preparatory	87.040	1	
	Cement water proofing	Preparatory		1	
SADCSTAN TC 16 Project 001	Ethanol	Preparatory (NWIP)	71.080.60	1	Idt SADCSTAN

Electrotechnical and Information Communications Technology

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International relationship
EL 001 ZWS IEC 62504	General lighting – LEDs and LED modules – terms and definitions	SAZ Publication	29.140.20	1	Idt IEC 62504
ZWS IEC 62663	Non self ballasted LED lamps Part 1: Safety requirements	“	29.140.01	1	Idt IEC 63663.1
	Part 2: Performance Requirements	“	29.140.01	1	Idt IEC 62663.2
ZWS IEC 60901	Single capped fluorescent lamps – Performance requirements	SAZ Publication	29.140.30	1	Idt IEC 60901
ZWS IEC 60921	Ballasts for tubular fluorescent lamps – Performance requirements	“	29.140.30	1	Idt IEC 60921
EL 002 ZWS D 1017	Domestic solar water heater – Mechanical qualification tests	Draft	27.160	1	
ZWS D -	Fixed electric storage water heaters	Preparatory	27.160	2	
ZWS D 1307	Domestic storage water heating systems	Preparatory	27.160	2	
ZWS D ISO 9227	Corrosion test in artificial atmosphere – Salt spray test	Preparatory	27.160	1	ISt ISO 9227
ZWS D ISO 6509-1	Corrosion of metals and alloys – Determination of dezincification resistance of copper alloys with zinc Part 1: Test methods	Preparatory	27.160	1	
EL 020/2 ZWS IEC 61427	Secondary cells and batteries for renewable energy storage – General requirements and methods of test Part 1: Photovoltaic off grid appliances	Preparatory	27.160	1	Idt IEC 61427-1
	Part 2: On grid application			1	Idt IEC 61427-2
EL 020/2 ZWS IEC 62560	_Self ballasted LED lamp for general lighting services by voltage 50V – Safety specification	Preparatory	29.140.30	1	Idt IEC 62560
ZWS IEC 62109	<u>Safety for power convertors for use in PV power systems</u> Part 2: Particular requirements for invertors	SAZ Publication		1	Idt IEC 62109

EL 020/SC 2 ZWS IEC 60364-7-712	Electrical installations in buildings Part 7-712 : Requirements for special installation for locations – Solar PV power supply systems	SAZ Publication	27.160	1	Idt IEC 60364-7-712
ZWS IEC 62109-2	Safety for power converters for use in PV power systems Part 2 : Particular requirements for inverters	“	27.160		
EL 020/2 ZWS 522 Revision	Solar batteries	Final draft	27.160		
EL 021/2 ZWS 556:	13A plugs, socket outlets, adaptors and connection units.	Preparatory	29.120.30	2	
EL 028/SC 10 ZWS IEC 60335	Household and similar electrical appliances Part 2-24 : Safety requirements for electrical heat pumps Part 2-15 : Particular requirements for appliances for heating liquids Part 2-40 : Particular requirements for electrical heat pumps, air conditioners and de-humidifiers 3) ZWS ISO 7371:1995 Household refrigerating appliances -- Refrigerators with or without low-temperature compartment -- Characteristics and test methods 4) ZWS ISO 8187:1998 Household refrigerating appliances -- Refrigerator-freezers -- Characteristics and test methods	SAZ Publication “ “	97.030 13.120 13.120 97.040	1 1 1	Idt IEC 60335-2-24 Idt IEC 60335-2-15 Idt IEC 60335-2-40
ICT 001 ISO IEC TR 20000	IT – Service management – Part 6 : Requirements for bodies providing audit and certification of service management systems Part 8 : Guidance on the application of service management systems for smaller organizations Part 15 : Service management	WD ISO NP	03.080.99 35.020 35.020 35.020	1 1 1	ISO/IEC TR WD 20000.6 ISO/IEC TR WD 20000.8 ISO/IEC TR NP20000.15
IEC 600050-421	International electrotechnical vocabulary chapter 521: Power transformers and reaction	SAZ Publication	29.060	1	Idt IEC 600050-421
IEC 60050-461	International Electrotechnical Vocabulary — Electric cables	SAZ Publication	29.060	1	Idt EC 60050-461
IEC 60050-466	International Electrotechnical Vocabulary — Overhead lines	SAZ Publication	29.060	1	Idt IEC 60050-466

IEC 60050-601	International Electrotechnical Vocabulary — Generation, transmission and distribution of electricity — General	SAZ Publication	29.060	1	Idt IEC 60060-466
IEC 60050-602	International Electrotechnical Vocabulary — Generation, transmission and distribution of electricity — Generation	SAZ Publication	29.060	1	Idt IEC 60050-602
IEC 60050-603	International Electrotechnical Vocabulary — Generation, transmission and distribution of electricity — Power systems planning and management	SAZ Publication	29.060	1	Idt IEC 60050-603
IEC 60050-605	International Electrotechnical Vocabulary — Generation, transmission and distribution of electricity — Substations	SAZ Publication	29.060	1	Idt IEC 60050-605
IEC 60034-3	Rotating electrical machines — Part 3: Specific requirements for turbine-type synchronous machines	SAZ Publication	29.060	1	Idt IEC 60034-3
IEC 60034-4	Rotating electrical machines — Part 4: Methods for determining synchronous machine quantities from tests	SAZ Publication	29.060	1	Idt IEC 60034-4
IEC 60041	Field acceptance tests to determine the hydraulic performance of hydraulic turbines, storage pumps and pump-turbines	SAZ Publication	29.060	1	Idt IEC 60041
IEC 60193	Hydraulic turbines, storage pumps and pump-turbines – Model acceptance tests	SAZ Publication	29.060	1	Idt IEC 60193
IEC 60545-6	Guide for commissioning, operation and maintenance of hydraulic turbines	SAZ Publication	29.060	1	Idt IEC 60545-6
IEC 61362-8	Guide to specification of hydraulic turbine control systems	SAZ Publication	29.060	1	Idt IEC 61362-8
IEC 8528-8	Reciprocating internal combustion engine driven alternating current generating sets — Part 8: Requirements and tests for low-power generating sets	SAZ Publication	29.060	1	Idt IEC 8528-8

IEC 61936-1	Power installations exceeding 1 kV a.c. — Part 1: Common rules	SAZ Publication	29.060	1	Idt IEC 61638
IEC 60826	Design criteria of overhead transmission lines	SAZ Publication	29.060	1	Idt IEC 60826
IEC 61827	Overhead lines — Requirements and tests for fittings	SAZ Publication	29.060	1	Idt IEC 61827
IEC 60076-3	Power transformers – Part 3: Insulation levels, dielectric tests and external clearances in air	SAZ Publication	29.060	1	Idt IEC 60076-3
19)IEC 60076-10-1	Power transformers – Part 10-1: Determination of sound levels – Application guide	SAZ Publication	29.060	1	Idt IEC 60076-10-1
IEC 60903:2003,	Specifications for gloves and mitts of insulating material for live working	SAZ Publication	29.060	1	Idt IEC 60903
IEC 60282-1:2005	High-voltage fuses – Part 1: Current-limiting fuses	SAZ Publication	29.060	1	Idt IEC 60282-1
IEC 60071-1:2006	Insulation co-ordination — Part 1: Definitions, principles and rules	SAZ Publication	29.060	1	Idt IEC 60071-
23)IEC 61378-3:2006	Convertor transformers — Part 3: Application guide.				
SADCSTAN TC 4	Electrical supply power quality installation	NWIP		1	Idt SADCSTAN TC 4

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International relationship
ICT 001/SC3 ZWS ISO/IEC 38500	IT – Governance of IT for the organization	SAZ Publication	35.080	1	Idt ISO IEC 38500
ZWS ISO/IEC/TS 38501	IT – Corporate governance of IT – Implementation guide	SAZ Publication	35.080	1	Idt ISO IEC 38501
ISO CD 12812	Mobile financial services Part 1: General framework	CD	03.060	1	Idt ISO CD 12812.1
	Part 2: Security and data protection for mobile financial service	CD	03.060	1	Idt ISO CD 12812.2
	Part 3: Financial application management	CD	03.060	1	Idt ISO CD 12812.3
	Part 4: Mobile person to person payment	CD	03.060	1	Idt ISO CD 12812.4
	Part 5: Mobile person to business payment	CD	03.060	1	Idt ISO CD 12812.5
ICT 001/SC 4 ZWS ISO IEC 15026	Systems and software engineering – Systems and software assurance Part 1: Concepts and vocabulary Part 2: Assurance Part 3: System integrity level	SAZ Publication “ “	35.080 35.080 35.080	1 1 1	Idt ISO IEC 15026.1 Idt ISO IEC 15026.2 Idt ISO IEC 15026.3
ICT 001/SC 5 ISO IEC/IEEE 15288	System and software engineering – System life cycle processes	ISO/IEC/IEE	35.080	1	Idt ISO IEC IEEE FDIS 15288
ISO IEC DTR 16337	System engineering – Systems engineering handbook	DTR	35.080	1	ISO IEC DTR 16337
ISO IEC 16350	System and software engineering – Application management	ISO/IEC	35.080	1	Idt ISO IEC FDIS 16350
ISO TC 68 Financial Services ISO/IEC 9564	Financial services – Personal identification number (PIN) management and security Part 1: Basic principles and requirements for PINs in card based system Part 2: Approved algorithms for PIN encipherment Part 4: Guidelines for PIN handling in open networks	AZ Publication AZ Publication AZ Publication	35.240.4 Ornance of I □□□□□ □□□□□ □□□□□ 35.240.4 0 35.240.4 0	1 1 1	Idt ISO IEC 9564.1 Idt ISO IEC 9564.2 Idt ISO IEC 9564.4
	Part 5: Mobile person net banking – Business payment	SAZ Publication	35.240.4 0	1	Idt ISO IEC 9564-5
SADCSTAN TC 4	Electrical supply quality – Power quality instruments. (SANS 1816)	NWIP	17.220.20	1	

Food and Agriculture (FA)

Reference No.	Title	Stage	ICS	Edition	International relationship
AG 001					
ARSO ZWS HS 213:1984(E)	Fertilizers and soil conditioners — Final samples — Practical arrangements	Publication	65.08	1	Idt ARS 213
ARSO ZWS HS 280:1991(E)	Fertilizers and soil conditioners — Vocabulary	Publication	65.08	1	Idt ARS 280
ARSO ZWS HS 502:1991(E)	Compound fertilizers — Specification	Publication	65.08	1	Idt ARS 502
ZWS 866	Fertilizer – Magnesium nitrate	Draft	65.08	2	
ZWS 868	Fertilizer – Magnesium sulfate anhydrous	Draft	65.08	2	
AG 003 -D	Cotton lint	Committee	59.060.10	1	
ZWD726	Seed Cotton	Committee	59.060.10	1	
AG 004 (national/regional)	Tobacco cigarettes specification (regional)	Committee	65.160	1	
	Tobacco hessian bags – (national)	Committee		1	
	Good agricultural practice (national)	Committee	55.080	1	
AG 005	Dog and cat foods	Committee	65.120	2	
ZWS 112	Pig feeds	“	65.120	2	
ZWD 142					
ZWS 517	Poultry feeds				
ZWS 518	Cattle feeds	“	65.120	2	
ZWS 530	Animal feeding stuffs – Sampling and preparation of sample	“	65.120	2	

1	2	3	4	5	6
Reference	Title	Stage	ICS	Edition	International Relationship
FD 002	Agricultural biotec products – bio remedies	Committee			
FD 003	Classification of fruits and vegetables	Committee	67.080	1	
CD ARS 831	Fresh bananas	Committee	67.080.20	1	Idt ARSO
CD ARS 832	Banana crisps	Committee	67.080.20	1	“
CD ARS 833	Dried bananas	Committee	67.080.20	1	“
CD ARS 834	Fried banana chips				
FD 004 ARS 461	Maize grain	CD		1	Idt ARSO
ARS 462	Sorghum grains	CD	67.080	1	“
ARS 463	Pearl millet grains	CD	67.060	1	“
ARS 464	Millet rice	ARS	67.060	1	“
ARS 465	Wheat grains	ARS			
ARS 466	Milled rice	ARS	67.060	1	“
CD ARS 468	Sorghum flour	ARS	67.060	1	“
CD ARS 469	Millet flour	ARS	67.060	1	“
CD ARS 857	Finger millet grains	CD	67.060	1	“
CD ARS 858	Rough paddy rice	CD	67.060	1	“
FD 004 ZWS D 467	Degermed maize meal and maize grits	ARS	67.060	1	Idt ARSO
CD-ARS 825-2016	Yams – Specification	CD	67.060	1	
CD-ARS 826-2016	Fresh sweet potatoes - Specification	CD		1	
FD 004) CD-ARS 827-2016	Sweet potato flour - Specification	CD	67.060	1	Idt ARSO
CD-ARS 828-2016,	Dried sweet potato chips - Specification	CD	67.060	1	Idt ARSO
CD-ARS 829-2016,	Sweet potato crisps - Specification	CD		1	
CD-ARS 847-2016	Fresh potato tuber — Specification	CD	67.060	1	Idt ARSO
16) CD-ARS 848-2016	Production and handling fresh ware potatoes - Code of practice	CD	67.060	1	Idt ARSO
CD-ARS 849-2016	Reduction of acrylamide in potato products – Code of practice	CD	67.060	1	Idt ARSO
CD-ARS 851-2016	Frozen potato chips - Specification	CD	67.060	1	Idt ARSO
CD-ARS 852-2016	Fried potato chips - Specification	CD	67.060	1	Idt ARSO
CD-ARS 855-2016,	Fresh tannia - Specification	CD	67.060	1	Idt ARSO
CD-ARS 856-2016	Fresh dasheen — Specification	CD	67.060		Idt ARSO
CD ARS 857	Finger millet grains	CD		1	
CD ARS 858	Rough (paddy) rice	CD	67.060	1	Idt ARSO
CD-ARS 860:2014	Fortified wheat flour - Specification	CD	67.060	1	Idt ARSO
CD-ARS 861:2014	Fortified maize flour - Specification	CD	67.060	1	Idt ARSO

1	2	3	4	5	6
Reference	Title	Stage	ICS	Edition	International Relationship
CD-ARS 862:2014	Fortified cooking oils – Specification	CD	67.060	1	Idt ARSO
CD-ARS 863:2014	Fortified sugar – Specification	CD	67.060	1	Idt ARSO
WD-ARS 1100	Good Agricultural Practices for Food Crops	CD	67.060	1	Idt ARSO
29)WD-ARS 1101	Good Agricultural Practices for Maize	CD	67.060	1	Idt ARSO
30)WD-ARS 1131)WD-ARS 110302	Good Agricultural Practices for Rice	CD	67.060	1	Idt ARSO
31)WD-ARS 1103	Good Agricultural Practices for Tuber Crops (Cassava, Sweet Potatoes, Yams, Arrowroots)	CD			Idt ARSO
FD 055 SADC TC 1					
ISO CD 19046	Cheese – Determination of propionic acid by chromatography Part 1: Reference method	CD	67.100.30	1	Idt ISO CD 19046-1
	Part 2: Routine method	“	“	1	Idt ISO CD 19043-2
FD 001/SC 5 contd ISO 27105	Milk and cheese – Determination of hen’s egg white lysozyme content by high performance liquid chromatography	ISO	67.100.01	1	Idt ISO FDIS 27105
FD 016 ISO/CD TS 34700	Animal welfare management – requirements for organizations in the food supply chain	IS	63.020	1	Idt ISO/CD/TS 34700
FD 17 ISO DTS 22002.5	Prerequisite programme on food safety Part 6: Feed production	WD	67.020	1	Idt ISO DTS 22002-6
FD 17 ZWS 1019	Horticultural Code of practice	Committee		1	
FD 001/SC 17 ISO NP 22000	FSMS – Requirements for an organization in the food chain	CD	67.020	2	Idt ISO CD 22000
ISO/DTS 22002	Prerequisite programmes on food safety.	DTS		1	
FD 055 FD ZWD-997	Canned sardines and sardine type products	CD	67.120.30	1	
FD ZWS 998	Smoked fish, smoked flavored and fish smoked dried fish	CD	67.120.30	1	
DARS EMA-08	Eco labelling for fisheries	SAZ Adoption	13.020.50	1	Idt DARS EMA
ZWS 759	Dried salted fish	Committee	67.120.30	2	Idt DARS EMA
SADCSTAN TC 3/SC	Fresh fish and chilled fish				
SADCSTAN TC 3/SC	Quick frozen fish fillets and smoked -dried	Committee	67.120.30	2	Idt DARS EMA
SADCSTAN TC 3/SC	Salted fish and dry salted fish	Committee	67.120.30	2	Idt DARS EMA

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International Relationship
SADCSTAN TC 3/SC	Dried freshwater small pelagic specification	Committee	67.120.30	2	Idt DARS EMA
SADCSTAN TC 3/SC	Good aquaculture practices (GAP) for bream (Tilapia/Oreochromis)	Committee	67.120.30	2	Idt DARS EMA
SADCSTAN TC 3/SC	Farmed fish (Oreochromis, Tilapia and Clarias)	Committee	67.120.30	2	Idt DARS EMA
SADCSTAN TC 3/SC	Fish sausages specification	Committee	67.120.30	2	Idt DARS EMA
SADCSTAN TC 3/SC	Fish snack products specification	Committee	67.120.30	2	Idt DARS EMA
SADCSTAN TC 3/SC	Fresh and frozen whole fin fish specification	Committee	67.120.30	2	Idt DARS EMA
FD 009 ZWS D -	Water treatment chemicals for use in the food industry	Committee	71.100.80	1	
ZWS 987	Water purifiers	Final draft	13.060	1	
ISO TS 11133	Microbiology of food, animal, and water preparation, storage	SAZ adoption	07.100.30	1	Idt ISO TS 11133
FD 068	Beer	Project abandoned	67.060	1	
SADCSTAN TC 3/025	Dried apricots	Committee	67.080.10	1	idt Codex Stan 130
SADCSTAN TC 3/026	Processed cereal based foods for infants and young children	Committee	67.230	1	idt Codex Stan 74
SADCSTAN 3/028	Baby corn	Committee	67.080.20	1	idt Codex Stan 188
SADCSTAN TC 3/029	Grated desiccated coconut	Committee	67.080.10	1	idt CAC/RCP4
SADCSTAN TC 14/001	General standard for bottled /packaged drinking water (other than natural water)	Enquiry stage (final draft)	13.060.20	1	idt Codex Stan 227:2001
SADCSTAN TC 14/002	COP for bottled/package drinking waters (other than natural water)	Enquiry stage (final draft)	13.060.20	1	idt Codex CAC/RCP 48
SADCSTAN TC 14/003	Mineral water	Enquiry stage (final draft)	67.160.20	1	idt Codex 103
SADCSTAN TC 14/004	Recommended international code of hygienic practice for the collection, processing and marketing of natural mineral water	Enquiry stage (final draft)	67.120.20	1	idt Codex CAC/RCP 33
DARS – EMA 08	Eco labelling standard for agriculture	Preparatory	13.020.50	1	Idt DARS EMA

ZWS D 620	Flexible PVC garden hose (metric unit)	Committee	23.040.70	1	
MA 053/WG 3 ISO 4435	Plastics piping systems for non pressure underground drainage and sewage unplasticized poly-vinyle chloride (PVC-U)	Committee	91.140.60	1	Idt ISO 4435
TE 001 – D 718	Synthetic fibre blankets Part 1: Specification for synthetic fibre blankets	Final Draft	97.160	1	
TE 002/01	High visibility work gear i) women 's overalls ii) dust coats	Abeyance	13.340.10	1	
DARS EMA	Ecolabelling standards for forestry	Preparatory	65.020	1	

Mining

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International relationship
MNG 001 MNG D-1011	Design, dewatering support of mining shafts	Committee	73.020	1	
MNG D—	Zimbabwe code for mineral asset valuation and reporting	“	73.060	1	
MNG D—	Zimbabwe code for solid waste dumps on mines	“	13.030.10	1	
MNG D—	Zimbabwe code for reporting of exploration results methodology	“	73.060	1	
MNG D—	Zimbabwe code for use of mobile cranes on mines	“	73.100.99	1	
MNG D—	Zimbabwe code for safe use of explosives on surface mines	“	73.020	1	
MNG D—	Guidelines for construction of beacons for the demarcation of mining properties	“	73.020	1	
MNG D—	Zimbabwe code for control of mobile equipment operator exposure to dust, vibration and noise	“	73.100	1	
MNG – D 1010	Mercury use, storage and disposal in mining	“	73.020	1	
MNG D—	Miners protective helmets and lamps	“	13.340.20	1	
		“	73.100.40	1	
MNG ZWS 1001	Design and operation of hoist in small scale mines	“	73	1	
	Code of practice for small scale mining mineral processesing	“	73	1	
	Small scale mining ventilation requirements	“	73.100.20	1	
ZWS D 1005	COP for small scale mining	“	75.020	1	

Pharmaceuticals

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International relationship
PHA 001 ZWS ISO 16128-1	Guidelines on technical definitions and criteria for natural & organic cosmetic ingredients and products – 1) Part 1: Definitions for ingredients 2) Part 2: Criteria for ingredients and products	SAZ Publication DIS		1 1	Idt ISO 16128-1 Idt ISO 16128-2
PHA 002 ISO DIS 4074	Natural latex rubber condoms - Requirements and test methods	IS	11.200	Idt ISO 4074	
ZWS ISO 29941	Condoms – Determination of nitrosamines migrating from natural rubber latex condoms into various media	ISO	11.200	Idt ISO 29941	
ISO 4074	Natural rubber latex male condoms- Requirements and test methods	IS	11.200	1	Idt ISO 4074
ISO 8009:2014	Mechanical contraceptives – Reusable natural and silicone rubber contraceptive diaphragms - Requirements & test	ISO AMD	11.200	1	Idt ISO 8009
ISO 29941	Condom –Determination of nitrosamines migrating from natural rubber latex condoms	ISO	11.200	1	Idt ISO 29941
PHA 003 ISO 11608	Needle based injection systems for medical use 7) Part 4: Requirements and test methods for electronic and electromechanical pen injectors 8) Part 6: Bolus injectors 9) Part 7: Requirements for accessibility for persons with visual impairment	DIS DIS SAZ Publication		1 1 1	Idt ISO 11608-4 Idt ISO 11608-6 Idt ISO 11608-7
PHA 003 ISO/CD 6009	Hypodermic needles for single use- Colour coding for identification	ISO	11.040.25	1	Idt ISO 6009
ISO 23908	Sharps injury protection – Requirements and test methods- Sharps protection features for single use hypodermic needles, introducers for catheters and needles used for blood sampling	SAZ Publication	11.040.25	1	Idt ISO 23908
ISO/ PWI 27487	Auto-injectors for medical use – Requirements and test methods	ISO PWI	11.040.25	1	Idt ISO PWI 27487

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International Relationship
ISO ZWS 10551	_Sterile single use intravascular catheters <u>Part 1:</u> General requirements	SAZ Publication	11.040.25	1	Idt ISO FDIS 10551-1
	<u>Part 3:</u> Central venous catheters	SAZ Publication	11.040.25	1	Idt ISO FDIS 10551-2
	<u>Part 5:</u> Over the needle peripheral catheters	ISO	11.040.25	1	Idt ISO 10551-5
ISO/AWI 27847	Auto injectors for medical use – Requirements and test methods	PWI	11.040.25	1	Idt ISO PWI 27847
ISO 7864	Sterile hypodermic needles for single use	ISO	11.040.25	1	Idt ISO 7864
ISO FDIS 7886	Sterile hypodermic syringes for single use <u>Part 1:</u> Syringes for manual use	DIS	11.040.25	1	Idt ISO FDIS 7886
ZWS ISO FDIS 8537	Sterile single use syringes with or without needle for insulin	SAZ Publication	11.040.25	1	Idt ISO 8537
ISO FDIS 9626	Stainless steel needle tubing for manufacture of medical devices – Requirements and test methods	SAZ Publication	11.040.25	1	Idt ISO 9626
ISO CD 20695	Enteral feeding catheters and enteral giving sets for single use and their connectors	CD		1	Idt ISO CD 20695
ISO CD 20696	_Sterile urethral catheters for single use	CD		1	Idt ISO 20696
ISO CD 20697	Sterile drainage catheters and accessory devices for single use	CD		1	Idt ISO 20697
ISO/CD 20698-1	Catheter systems for neuraxial application – Sterile and single-use catheters and accessories – <u>Part 1:</u> General requirements and test methods	CD		1	Idt ISO 20698-1
PHA 004 (ex HE 008) ARSO TC 13 (ATM)					
DARS 950:2014	ATM – Glossary	DARS	11.020	1	Idt ARS 950

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International relationship
DARS 951:2014	ATM – GMP for herbal medicine	DARS	11.020	1	Idt ARS 951
DARS 952:2014	ATM – Guidelines for good agricultural and collection practices for plants	“	11.020	1	Idt ARS 952
DARS 954	ATM – Certification scheme for medicinal plant produce	“	11.020	1	Idt ARS 954
WD ARS 955	Technical guidelines for safety, efficacy and quality of raw materials and herbal medicines	“	11.020	1	Idt ARS 955
WD ARS 956		“	11.020	1	Idt ARS 956
WD ARS 957	Monographs on selected medicinal plants Assessing quality of herbal medicines with reference to contaminants and residues	“	11.020	1	Idt ARS 957
WD-ARS 958	Consumer guidance on good preparation and use of ATM	“	11.020	1	Idt ARS 958
WD-ARS 959		“	11.020	1	Idt ARS 959
WD ARS 960	Procedures for processing medicinal plants	“	11.020	1	Idt ARS 960
WD ARS 961	Packaging and labelling of raw medicinal plant material	“	11.020	1	Idt ARS 961
WD ARS 962	Storage of raw materials and prepared ATM remedies	Committee	11.020	1	Idt ARS 962
WD ARS 963	Requirements for packaging and labelling of ATM remedies				Idt ARS 963

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Reference No.	Title	Stage	ICS	Edition	International relationship
WD ARS 964	Certification of herbal medicine production facilities	Committee	11.020	1	Idt ARS 964
WD ARS 965	Preparation of ATM remedies	Committee	11.020	1	Idt ARS 965
WD ARS 966	Safety and quality of tools used in ATM	Committee	11.040.01	1	Idt ARS 966
WD ARS 967	Sustainability procedures for medicinal plant resources	Committee	11.020	1	Idt ARS 967
WD ARS 968	ATM – Guidelines for pharmacovigilance	Committee	11.020	1	Idt ARS 968
PHA 001 (ex HE 004)	Cosmetics –Raw materials	Committee	71.100.70	1	
	Lotions, gel and creams	Committee	71.100.70	1	
ISO FDIS 16128-1	Guidelines on technical definitions and criteria for natural and organic cosmetic ingredients and products Part 1: Definitions for ingredients	SAZ publication	71 100.70	1	Idt ISO 16128-1
	Part 2: Criteria for ingredients and products	“	“	1	Idt ISO 16128-2

Safety, Health, Environment and Quality

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International relationship
EN 001/ISO TC 207					
ISO 14020 (Rev)	Environmental labels and declaration – General principles	ISO	13.020	2	Idt ISO 14020
ISO TS 14072	Life cycles assessment – Additional requirements and guidelines for organizations	ISO	13.020.60	2	Idt ISO TS 14072
ISO CD 14048	Environmental management – Life cycle assessment – Data documentation format	ISO (revision)	13.020.40	1	idt ISO 14048

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International relationship
ISO Guide 64	Guide for addressing environmental issues in product standards	ISO	13.020.01	1	Idt Guide 64
ISO 14020	Environmental labels and declaration – General principle	ISO (review)	13.020.50	2	ISO 14020
ISO 14024 (AMD)	Environmental labels and declarations – Type 1	DIS	13.020.50	1	Idt ISO DIS 14024
EN 001 ISO TC 207 ISO CD 14025	Environmental labels and declaration – Type III	CD	13.020.50	2	Idt ISO CD 14025
ISO DIS 14026	Environmental labels and declarations – Communication of footprint information	DIS	13.020.50	1	Idt ISO DIS 14026
ISO DTS 14027	Environmental labels and declarations in Type III environmental declaration – Product category rule development	CD	13.020.50		Idt ISO CD TR 14027
ISO DIS 14034	EMS – Environmental technology verification and performance evaluation	ISO	13.020.10	1	Idt ISO DIS 14034
ISO 14048 (Rev)	Environment management-Life cycle assessment-Data Documentation format	ISO	13.020.60	2	Idt ISO 14048
ISO FDIS 14052	EM _ Material flow cost accounting – Guidance for practical implementation in a supply chain	FDIS	13.020	1	Idt ISO DIS 14052
ISO AWI 14055	EMS – Combating land degradation and desertification Part 1: Guidelines and general framework	CD	13.020	1	Idt ISO CD 14055-1
	Part 2: Case studies	NP	“	“	Idt ISO CD 14045-2
ISO 14064	Part 1: Specification with guidance at the organization level for quantification and reporting of GHG emission and removal	CD	13.020.40	1	Idt ISO CD 14064-1
	Part 2: Specification with guidance at the project level for quantification monitoring and reporting of GHG emission reductions or removal enhancement	CD	13.020.40	1	Idt ISO CD 14064-2
	Part 3: Specification with guidance for the validation for green house gas assertions	CD	13.020.40	1	Idt ISO 14064-3
ISO AWI/TR 14073	EM – Water footprint – Illustrative example on how to apply ISO 14046	AWI	13.020.10	1	Idt ISO AWI/TR 14073

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Reference No.	Title	Stage	ICS	Edition	International relationship
EN 006 ZWS ISO 11200:1995	Acoustics – Noise emitted by machinery and equipment – Guidelines for the use of basic standards for the determination of emission sound pressure levels at a work station and at other specified positions	“	17.140.01	1	Idt ISO 11200
ZWS ISO 14837-1:2005	Mechanical vibration – Ground-borne noise and vibration arising from rail systems: Part 1 : General guidance.	“	17.140.01	1	Idt ISO 14837-1
EN 007 (ISO TC) ISO 50001	EnMS – Requirements with guidance for use	CD	27.010	2	Idt ISO CD 50001
ISO FDIS 50007	Activities relating to energy services – Guidance for the assessment and improvement of the service users	DIS	27.010		Idt ISO FDIS 50002
ISO AWI 50008	Commercial building – Energy data management for energy performance – Guidance for systematic data exchange approach	AWI	27.010		Idt ISO AWI 50008
ISO FDIS 50015	Monitoring measurement analysis and verification of organizational energy performance	FDIS	27.010	1	Idt ISO FDIS 50015
HE 001 ZWS D-	Reusable pads Panty liners Diapers	Committee Committee Committee	59.080.30 59.080.30	1 1	

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International relationship
HE 005 (ISO TC 212) ISO 17822	In vitro diagnostic test systems – Qualitative nucleic acid based in vitro examination procedure for detection of microbial pathogen - General	ISO	11.040.55	1	Idt ISO 17822
ISO DIS 16782	Clinical laboratory testing – Criteria for acceptable lots of dehydrated Mueller Hinton agar and broth for antimicrobial susceptibility	DIS	11.100.20	1	Idt ISO DIS16782
ISO PFF 17518	Medical laboratory – Guidance for users of reagents for staining in biology in medical laboratory	ISO/PFF	11.100.01	1	Idt ISO 17518
ISO CD 15195	Laboratory medicine – Requirements for the competence of calibration laboratories using reference measurement procedures	CD	11.100.01		
ISO/NP 15197	In vitro diagnostic test systems -- Requirements for blood-glucose monitoring systems for self-testing in managing diabetes mellitus	NP	11.100.01		Idt ISO NP 15197
				1	
ISO 16782	Clinical laboratory testing – Criteria for acceptable lots of dehydrated Mueller Hinton agar and broth for antimicrobial susceptibility	ISO	11.100.20	1	Idt ISO 16782
ISO CD 17822	Nucleic acid base in vitro diagnostics for detection and identification of microbial pathogens–	CD	11.100.01	1	Idt ISO CD 17822-2
	Part 2: Sample preparation and nucleic acid extraction	CD		1	
ISO/CD 20091	Molecular in vitro diagnostic examinations -- Specifications for pre-examination processes for blood - - Circulating cell free DNA	CD	11.100.10	1	Idt ISO CD 20091
ISO CD 20166	Molecular in-vitro diagnostic examinations- Specifications for pre-examination processes for FFPE tissue – RNA	CD	11.100.10	1	
	Part 1: Isolated RNA				Idt ISO CD 20166-2
	Part 2: Isolated proteins	CD	11.100.10	1	
	Part 3: Isolated DNA	CD	11.100.10	1	Idt ISO CD 20166-3

ISO CD 20167	Molecular in-vitro diagnostic examinations -- Specifications for pre-examination processes for frozen tissue -- Extracted proteins	CD	11.100.10	1	Idt ISO CD 20167
ISO CD 20184	Molecular in-vitro diagnostic examinations -- Specifications for pre-examination processes for frozen tissue – RNA Part 1: Isolated RNA Part 2: Isolated proteins	CD	11.100.10	1	Idt ISO CD 20184
ISO CD 20185	Molecular in-vitro diagnostic examinations -- Specifications for pre-examination processes for blood - - Genomic DNA	CD	11.100.10	1	Idt ISO CD 20185
ISO/CD 20186-1	Molecular in-vitro diagnostic examinations – Specifications for pre-examination processes for blood – Cellular RNA – Part 1: Isolated cellular RNA	CD	11.100.10	1	Idt ISO CD 20186-1
ISO/CD 20186-2	Part 2: Isolated genomic DNA correct	CD	11.100.10	1	Idt ISO CD 20186-2
ISO/CD 20186-3	Part 3: Isolated circulating cell free DNA from plasma	CD	11.100.10	1	Idt ISO CD 20186-3
HE 005 contd ISO NP/TS 20658	Medical laboratory examinations -- Requirements for collection, transport, receipt, and handling of samples	NP	11.100.01	1	Idt ISO NP TS 20658
ISO NP 23640	In vitro diagnostic medical devices -- Evaluation of stability of in vitro diagnostic reagents	NP	11.100.01	1	Idt ISO NP 23640
ISO AWI 35001	Laboratory bio risk management system -- Requirements	NP	63.100.01	1	Idt ISO AWI 35001
HE 12	HIV and wellness management	Final draft	11.020	1	
ZWS D-992					

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International relationship
QA 002					
ISO DTS 9002	QMS – Guidelines for application of ISO 9001:2015	ISO DTS	03.120.10	1	Idt ISO DTS 9002
ISO 9004	Managing the sustainable success of an organization. A quality management approach	NP	03.120.10	1	Idt ISO NP 9004
ISO 10001:2007	Quality management - Customer satisfaction - Guidelines for codes of conduct for organizations	NP	03.120.10	2	Idt ISO NP 10001
ISO NP 10002:2014	Quality management -- Customer satisfaction -- Guidelines for complaints handling in organizations	NP	03.080.30	2	Idt ISO NP 10002
ISO NP 10003:2007	Quality management -- Customer satisfaction -- Guidelines for dispute resolution external to organizations	ISO confirmed	03.120.10	2	Idt ISO 10003
ISO NP 10004:2012	Quality management - Customer satisfaction - Guidelines for monitoring and measuring	NP	03.120.10	2	Idt ISO NP 10004
ISO NP 10005	Quality management systems -- Guidelines for quality plans	NP	03.120.10	2	Idt ISO NP 10005
ISO NP 10006: 2003	Quality management systems - Guidelines for quality management in projects	NP	03.120.10	2	Idt ISO NP 10006
ISO 10007:2003	Quality management systems -- Guidelines for configuration management	NP	03.120.10	2	Idt ISO NP 10007
ISO 10015:1999	QM – Guidelines for training	NP		2	Idt ISO NP 10015
ISO NP 10018	QM – Guidelines on people involvement	NP		1	Idt ISO NP 10018

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International relationship
ISO 10019	Guidelines for the selection of QMS consultations and use of their services	ISO	1		ISO 10019
SO/ AWI 10020	Guidelines on monitoring and measuring customer satisfaction	ISO/ AWI	03.080.30	1	Idt ISO/AWI 10020
ISO 17582	QMS for electoral bodies	SAZ Publication	03.120.20	1	Idt ISO 17582
QA 003 (ISO CASCO) ISO PAS 17005	Use of management systems – Principles and requirements	ISO PAS	03.120.20	1	Idt ISO PAS 17005
ISO/IEC 17007	Requirements for accreditation bodies –	ISO IEC	03.120.20	1	Idt ISO IEC 17007
ISO/IEC CD 17011 (rev)	Conformity assessment : General requirements for accreditation bodies accrediting CA bodies	NP	03.120.20	2	Idt ISO CD 17011
ISO DIS 17021	Conformity assessment – Requirements for bodies providing audit and certification of management systems	SAZ Publication	03.120.20	1	Idt ISO 17021-1
	Part 4: Competence requirements for auditing and certification of sustainability management	ISO	03.120.20	1	Idt ISO 7021-4
	Part 5: Competence requirements for auditing and certification for asset management systems	ISO	03.120.20	1	Idt ISO 17021-5
	Part 7: Competence requirements for auditing and certification of RTS management systems	ISO	03.120.20	1	Idt ISO 17021-7
	Part 9: Competence requirements for auditing and certification of anti bribery management system	CD	03.120.20	1	Idt ISO CD 17021-9
ISO/IEC TS 17022	CA – Requirements and recommendation for content of third party audit report on management systems	ISO	03.120.20	1	

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International relationship
ISO 17025 (rev)	General requirements for the competence of testing and calibration laboratory	NP	03.120.20	2	Idt ISO NP 17025
ISO IEC NP TR 17026	Conformity assessment – Model schemes for manufactured production	NP	03.120.20	1	Idt ISO IEC/NP/TR 17026
ISO FDIS 17034	General requirements for the competence of reference material products	FDIS	03.120.20	1	Idt ISO FDIS 17034
ISO/IEC 17043 (review revision)	CA – Example of a product certification scheme	ISO	03.120.20		Idt ISO 17043
QA 003/SADCSTAN CASCO takeover ISO IEC 17011	CA – General requirements for accreditation bodies	HT	03.120.20	1	Idt ISO IEC 17011
ISO IEC 61	General requirements for assessments and accreditation of certification registration bodies	HT	03.120.20	1	Idt ISO IEC 61
SA 001 ISO 7212:1986 :	Enclosures for protection against ionizing radiation -- Lead shielding units for 50 mm and 100 mm thick walls	SAZ Publication	13.280	1	Idt ISO 7212
ISO 21439:2009	Clinical Dosimetry – Beta radiation sources for brachytherapy	SAZ Publication	11.040.50 17.240	1	Idt ISO 21439
ISO 21482:2007 :	Ionizing-radiation warning -- Supplementary symbol	SAZ Publication	01.080.20 13.280	1	Idt ISO 21482
ZWS D701	Safe use of x-rays in interventional radiology	Committee	13.280	1	
ZWS D702	Qualification and training of radiation workers	Committee	13.280	1	
ZWS D703	Safe transportation of radioactive materials	Committee	13.280	1	
ZWS D704	Radiation protection in industry	Committee	13.250	2	
ZWS D705	The radioactive use of material in medical practice Part 1: Sealed source Part 2: Unsealed source	Committee	13.280	2 2	
ZWS D 703	Radiation protection in veterinary radiology	Committee	13.280	2	
ZWS D 704	Radiation waste management	Committee	13.280	2	
ZWS D 705	Safe use of x rays in medical diagnostic radiology	Committee	13.280	2	
SA 002 ISO TC 283 ISO DIS 45001	Occupational health and safety management system – Requirements	DIS	13.100	1	Idt ISO DIS 45001

1	2	3	4	5	6
Reference No.	Title	Stage	ICS	Edition	International relationship
SA 011 ISO TC 135 ISO DIS 18490	NDT evaluation of vision acuity of NDT personnel	Committee	19.100	1	Idt ISO DIS 18490
ISO 11537	NDT – Thermal neutron radiographic testing – General principles and basic rules	“	19.100	1	Idt ISO 11537
ISO 16371-1:2011	NDT – Industrial computed radiography with storage phosphor imaging plates – Part 1: Classification systems	SAZ Publication	19.100	1	Idt ISO 16371-1
ISO 16526-1:2011	NDT – Measurement and evaluation of the X-ray tube voltage Part 1: Voltage divider method	“	19.100	1	Idt ISO 16526-1
	Part 2: 2011 Constancy check by the thick filter method	“	19.100	1	Idt ISO 16526-2
	Part 3: 2011 Spectrometric method	SAZ Publication	19.100	1	Idt ISO 16526-3
ISO 19232-1:2013	NDT – Image quality of radiographs – Part 1: Determination of the image quality value using wire type image quality indicators	“	19.100	1	Idt ISO 19232-1
	Part 2: Determination of the image quality value using step type image quality indicators	“	19.100	1	Idt ISO 19232-2
	Part 3: Image quality classes	“	19.100	1	Idt ISO 19232-3
	Part 4: Experimental evaluation of image quality values and quality tables	“	19.100	1	Idt ISO 19232-4
	Part 5: Determination of the image unsharpness value using duplex wire type image quality indicators	“	19.100	1	Idt ISO 19232-5
ISO/TS 21432:2005	NDT – Standard test method for determining residual stresses by neutron diffraction	“	19.100	1	Idt ISO TS 21432
SA 028	<u>ZWS D</u> Best practice for the commissioning, service and maintenance of fire extinguishers (BS 5306-3)	Committee (on hold)	13.220.10	1	

Services

1	2	3	4	5	6
Reference Number	Title	Stage	ICS	Edition	International Relationship
SE 001 (ex FD 065) ISO TC 224 ISO CD 11830	Crisis management of water utilities	CD	13.060.20	1	Idt ISO 11830
ISO FDIS 24518	Activities relating to drinking water and waste water services- Crisis management of water utilities	FDIS	13.060.20	1	Idt ISO FDIS 24518
ISO WD 24520	Service activities relating to drinking water supply systems and waste water systems – Crisis management – Good practice for technical aspects	WD	13.060.20	1	Idt ISO WD 24520
ISO FDIS 24521	Basic on site domestic waste water services	FDIS	13.060.20	1	Idt ISO FDIS 24521
SE 003 ZWS D897	Properties management	Committee/ Abeyance	91.040	1	
SE 001 (ex ISO TC 228) ISO 14785	Tourist information offices – Requirements for tourist information and reception services	ISO	03.080.30	1	Idt ISO 14785
ISO/DIS 18065	National protected area – Tourist services for public use provided by natural protected areas authorities - Requirements	ISO	03.080.30	1	Idt ISO 18065
ISO DIS 21101	Adventure tourism – Safety management systems - Requirements	ISO	03.080.30	1	Idt ISO DIS 21101
SE 002 DARS EMA 08	Ecolabelling standard for tourism	Committee	03.020.50	1	
SE 003 (ex MS 79) ZWS ISO 31000	Risk management – Principles and guidelines	CD	03.100.01	2	Idt ISO CD 31000
ISO CD Guide 73	Risk management – Vocabulary	Committee	03.100.01	2	Idt ISO CD Guide 73
ISO NP 31020	Risk management – Managing disruption related risk	AWI	03.100.01		Idt ISO NP 31020
ISO NP 31021	Managing supply chain risk – A compilation of best practice	NP	03.100.01	1	Idt ISO NP 31021
ISO AWI 31022	Guidelines for implementation of enterprise legal risk management	AWI	03.100.01	1	Idt ISO AWI 31022
SE 004 ISO DIS 20700	Guidelines for management in the consultancy services			1	

SECTION 2: STANDARDS PUBLISHED DURING THE PRECEDING SIX MONTHS

NOTE: The publications listed below are new SAZ Standards already published and are now available on sale from the SAZ Information Centre.

Reference No.	2 Issue	3 Project	4 Title	5 ICS	6 Edition	7 International Relationship
ZWS 120	2016		Eucalyptus poles and cross arms for electric power and		2	
ZWS 960.4	2016		The handling, storage, distribution and maintenance of liquefied petroleum gas in domestic, commercial and industrial installations Part 4 : the transportation of LP gas including the design, construction, inspection, fittings, filling, maintenance and repair of LP gas bulk vehicles and rail tanks cars		1	
ZWS 993	2016		Fertilizers – Sampling of solid fertilizers		1	
ZWS 999	2016		Mahewu		1	
ZWS 1000	2016		Cyanide use, storage and disposal in small scale mining – Requirements		1	
ZWS 1006 /IS 2189:2008 (MOD):	2016		Selection, installation and maintenance of automatic fire detection, alarm system and automatic fire extinguishing systems		1	
ZWS 1007	2016		Performance of range tops		1	
ZWS 1008	2016		Induction cooktops, counter top, drop-in mounted or floor standing		1	
ZWS 1009	2016		Vehicle security – Whole of vehicle marking – Datadot systems		1	
ZWS 1010	2016		Mercury use, storage and disposal in small scale mining		1	
ZWS 1011	2016		Design, dewatering support of mining shafts in small scale mining		1	
ZWS 1012	2016		Requirements for certification of refrigeration conditioning personnel		1	
ZWS 1021	2016		The safety of water treatment chemicals for use in the food industry		1	
ZWS ARSO 212	2016		Fertilizers – Marking – Presentation of declarations		1	

ZWS ARSO 501	2016		Compound fertilizers – Methods of test		1	
10. ARSO ZWS HS 504	2016		Fertilizers – Ammonium sulphate – Method of test		1	
ZWS ARSO 505	2016		Fertilizers – Ammonium sulphate – Specification		1	
8. ARSO ZWS HS 72	2016		Fertilizers – Sampling from a conveyor by stopping the belt		1	
ARSO ZWS HS 73	2016		Fertilizers – Determination of nitrate nitrogen content		1	
9. ARSO ZWS HS 74	2016		Fertilizers – Determination of bulk density		1	
ARSO ZWS HS 213	2016		Fertilizers and solid conditioners – Final samples – Practical arrangements		1	
ARSO ZWS HS 500	2016		Solid fertilizers – Sampling		1	
ZWS ISO 8157	2016		Fertilizers and soil conditioners – Vocabulary		1	
ZWS ISO 1739	2016		Butter – Determination of refractive index of the fat (reference method)		1	
ZWS ISO 3432	2016		Cheese – Determination of fat – Content butyrometer for van gulik method		1	
ZWS ISO 3433	2016		Cheese – Determination of fat content – Van Gulik method		1	
ZWS ISO 5544	2016		Caseins – Determination of fixed ash (Reference method)		1	
ZWS ISO 5545	2016		Rennet caseins and caseinates – Determination of ash (Reference method)		1	
ZWS ISO 5550	2016		Caseins and caseinates – Determination of moisture content		1	
ZWS ISO 8968.4	2016		Milk and milk products – Determination of nitrogen content Part 4: Determination of protein and non-protein nitrogen content and true protein content calculation			

ZWS ISO 9233-1	2016		Cheese, cheese find and processed cheese – Determination of natamycin content Part 1: Molecular absorption		1	
ZWS ISO 11133	2016		Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media		1	
ZWS ISO 11699.1	2016		Non-destructive testing – Industrial radiographic film Part 1: Classification of film systems for industrial radiography		1	
ZWS ISO 11699.2	2016		Part 2: Control of film processing by means of reference values		1	
ZWS ISO 11816-2	2016		Part 2: Fluorimetric method for cheese		1	
ZWS ISO 12721	2016		Non-destructive testing – Thermal neutron radiographic testing – Determination of Beam L/D ratio		1	
ZWS ISO 13810	2016		Tourism services – Industrial tourism – Service provision		1	
11. ZWS ISO 14021	2016		Environmental labels and declarations – Self declared environmental claims (Type II env labelling)		1	
ZWS ISO 14785	2016		Tourist information offices – Tourist information and reception services - Requirements		1	
ZWS ISO 14096.1	2016		Non destructive testing – Qualification of radiographic film digitalization systems Part 1: Definitions, quantitative		1	
ZWS ISO 14096.2	2016		Part 2: Minimum requirements		1	
ZWS ISI 15078.1	2016		Non destructive testing – Radiation methods – Computed tomography Part 1: Principles		1	
ZWS ISO 15078.2	2016		Part 2: Examination practices		1	
ZWS ISO 16256.1	2016		Non destructive testing – Measurement and evaluation of the x-ray tube voltage Part 1: Voltage divider method		1	
ZWS ISO 17021-2	2016		CA – Requirements for bodies providing audit and certification of management systems – Part 2: Competence requirements for auditing and certification of management systems		1	
ZWS ISO 17021-5	2016		Part 5: Competence requirements for auditing and certification of asset management systems		1	

ZWS ISO 18065	2016		Tourism and related services – Tourist services for public use provided by natural protected areas authorities - Requirements		1	
ZWS ISO 21101	2016		Adventure tourism – Safety management systems – Requirements		1	
ZWS ISO 21103	2016		Adventure tourism – Information for participation		1	
ZWS ISO/TS 220002.6	2016		Prerequisite programmes on food Part 6: Feed and animal food production		1	
ZWS ISO 27000	2016		IT – Security techniques – ISMS – Overview and vocabulary		1	
Comesa ZW HS ISO 8528.8	2016		Reciprocating internal combustion engine driven alternating current generating sets Part 8: Requirements and tests for low-power generating sets		1	

SECTION 3: REPRINTS PUBLISHED DURING THE PRECEDING SIX MONTHS

1	2	3	4	5
Reference No.	Issue	Title	ICS	Incorp
ZWS 537	2016	Malleable cast iron fittings threaded		
ZWS 629.1	2016	Water quality – Detection and enumeration of coliform organisms, thermotolerant coliform organisms and presumptive Escherichia coli- membrane filtration method		

SECTION 4: AMENDMENTS PUBLISHED DURING THE PRECEDING SIX MONTHS

Reference No.	Standard No.	Title	Scope of AMD	ICS