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INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA

NO. 1300 **23 NOVEMBER 2018**

THE INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA

NOTICE OF INTENTION TO AMEND THE REGULATIONS ON THE OFFICIAL LIST OF REGULATED STANDARDS FOR TECHNICAL EQUIPMENT AND ELECTRONIC COMMUNICATIONS FACILITIES

The Independent Communications Authority of South Africa ("the Authority"), in terms of section 4(1) and (4) and section 36(1) of the Electronic Communications Act, 2005 (Act No 36 of 2005) read with section 4(3)(j) of the Independent Communications Authority of South Africa Act, 2000 (Act No 13 of 2000) ("ICASA Act"), hereby intends to amend the Regulations on the Official List of Regulated Standards for Technical Equipment and Electronic Communications Equipment Regulations published in Notice No. 896 under Government Gazette No. 39182 of 09 September 2015, to the extent indicated in the schedule.

Interested persons are hereby invited to submit written representations about the proposed Regulations to the Authority within thirty (30) working days from the date of the publication of this notice. Written submissions can be submitted by post or hand delivery or email to:

Independent Communications Authority of South Africa
Bethuel Nkgadime
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Eco Point Office Park,
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At the request of any person who submits written representations pursuant to this notice, the Authority will determine whether such representations or any portion thereof is confidential in terms of section 4D of the Independent Communications Authority of South Africa Act, 2000 (Act No. 13 of 2000). If the request for confidentiality is refused, the person making the request will be allowed to withdraw such representations or portion thereof.

RUBBEN MOHLALOGA
CHAIRPERSON

SCHEDULE

1. Definitions

In these regulations "the Regulations" means the regulations published by Government Notice No. 896 of 2015.

2. Amendment of regulation 1 of the Regulations

Regulation 1 of the Regulations is hereby amended by the addition of a definition after the definition of "Generic EMC Standard":

""**HVAC&R Equipment**" means any equipment, which has a primary function of any one, or more in combination of the following: Heating, Ventilation, Air Conditioning and Refrigeration intended for residential, commercial, light-industrial and/or industrial use;"

3. Short title and commencement

These Regulations are called the Amended Official List of Regulated Standards for Technical Equipment and Electronic Communications, 2018 and will come into effect upon publication in the Government Gazette.

4. Substitution of regulation 10 of the Regulations

The following regulation is hereby substituted for regulation 10 of the Regulations:

"10. OFFICIAL LIST OF ICASA REGULATED STANDARDS FOR TECHNICAL EQUIPMENT AND ELECTRONIC COMMUNICATIONS FACILITIES

10.1 Electromagnetic Compatibility (EMC) Standards

10.1.1 Basic EMC Standards

These EMC Standards specify the general conditions, methods of measurement and associated tests methods and limits.

Classification of Equipment	Applicable standard
Radio disturbance and immunity apparatus - Measuring apparatus	SANS 216-1-1 (CISPR 16-1-1 ed3.1)
Radio disturbance and immunity apparatus - Conducted disturbances	SANS 216-1-2 (CISPR 16-1-2 ed1.2)
Radio disturbance and immunity apparatus - Disturbance power	SANS 216-1-3 (CISPR 16-1-3 ed2)

Radio disturbance and immunity apparatus - Radiated disturbance	SANS 216-1-4 (CISPR 16-1-4 ed3)
Radio disturbance and immunity apparatus - Antenna calibration test sites for 30 MHz to 1000 MHz	SANS 216-1-5 (CISPR 16-1-5 ed1)
Method of measurement of disturbances and immunity - Conducted disturbance measurements	SANS 216-2-1 (CISPR 16-2-1 ed2)
Method of measurement of disturbances and immunity - Measurement of disturbance power	SANS 216-2-2 (CISPR 16-2-2 ed2)
Method of measurement of disturbances and immunity - Radiated disturbance measurements	SANS 216-2-3 (CISPR 16-2-3 ed3.1)
Method of measurement of disturbances and immunity - immunity measurements	SANS 216-2-4 (CISPR 16-2-4 ed1)
Limits for harmonic current emissions (equipment input current ≤ 16A per phase)	SANS 61000-3-2 (IEC 61000-3-2 ed3.2)
Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection	SANS 61000-3-3 (IEC 61000-3-3 Ed2)
Limits - Limitation of emission of harmonic currents in low-voltage power supply systems for equipment with rated current greater than 16 A	SANS 61000-3-4 (IEC 61000-3-4 ed1)
Limits – Limitations and flicker in low-voltage power supply systems for equipment with rated current greater than 16A	SANS 61000-3-5 (IEC 61000-3-5 ed2)
Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems – equipment with rated current ≤ 75A and subject to conditional connection	SANS 61000-3-11 (IEC 61000-3-11 ed1)
Electrostatic discharge immunity test	SANS 61000-4-2 (IEC 61000-4-2 ed2)
Radiated, radio-frequency, electromagnetic field immunity test	SANS 61000-4-3 (IEC 61000-4-3 ed3.1)
Electrical fast transient/burst immunity test	SANS 61000-4-4 (IEC 61000-4-4 ed2.1)
Surge immunity test	SANS 61000-4-5 (IEC 61000-4-5 ed2)
Immunity to conducted disturbances, induced by radio-frequency fields	SANS 61000-4-6 (IEC 61000-4-6 ed3)
General guide on harmonics and interharmonics measurements and instrumentation, for power supply systems and equipment connected	SANS 61000-4-7 (IEC 61000-4-7 ed2.1)
Power frequency magnetic field immunity test	SANS 61000-4-8 (IEC 61000-4-8 ed2)
Pulse magnetic field immunity test	SANS 61000-4-9 (IEC 61000-4-9 ed1.1)
Damped oscillatory magnetic field immunity test	SANS 61000-4-10 (IEC 61000-4-10 ed1.1)
Voltage dips, short interruptions and voltage variations immunity tests	SANS 61000-4-11 (IEC 61000-4-11 ed1)
Oscillatory waves immunity test	SANS 61000-4-12 (IEC 61000-4-12 ed2)
Harmonics and interharmonics including mains signalling at a.c. power port, low frequency immunity tests	SANS 61000-4-13 (IEC 61000-4-13 ed1.1)
Voltage fluctuation immunity test	SANS 61000-4-14 (IEC 61000-4-14 ed1.2)
Test for disturbances in the frequency range 0 Hz to 150 kHz	SANS 61000-4-16 (IEC 61000-4-16 ed1.2)
Ripple on d.c. input power port immunity test	SANS 61000-4-17 (IEC 61000-4-17 ed1.2)

Emission and immunity testing in transverse electromagnetic (TEM) waveguides	SANS 61000-4-20 (IEC 61000-4-20 ed2)
Unbalance, immunity test	SANS 61000-4-27 (IEC 61000-4-27 ed1.1)
Variation of power frequency, immunity test	SANS 61000-4-28 (IEC 61000-4-28 ed1.2)
Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	SANS 61000-4-29 (IEC 61000-4-29 ed1)
Power quality measurement methods	SANS 61000-4-30 (IEC 61000-4-30 ed2)
Power supply interface at the input to telecommunication equipment Part 1: Operated by alternating (ac) derived from direct current (dc) sources	SANS 300132-1 (ETS300132-1 V1)
Power supply interface at the input to telecommunication equipment Part 2: Operated by direct current (dc)	SANS 300132-2 (ETS300132-2 V2.1.2)
Power supply interface at the input to telecommunication equipment Part 3: Operated by rectified current source, alternating current source or direct current source up to 400 V	SANS 300132-3 (ETS300132-3 V1.2.1)

10.1.2 Generic Standards (Applicable to all equipment not specified below)

Classification of equipment	Emissions standard	Immunity standard
Residential, Commercial and Light-industrial products	SANS 61000-6-3 (IEC 61000-6-3 ed2)	SANS 61000-6-1 (IEC 61000-6-1 ed2.1)
Industrial environments	SANS 61000-6-4 (IEC 61000-6-4 ed2)	SANS 61000-6-2 (IEC 61000-6-2 ed2.1)

10.1.3. Product/Product Family EMC Standards

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
Customer Premises Equipment (CPE)	SANS 2332:2017 (ED. 1.00) (CISPR 32:2015 Edition 2)	SANS 222 (CISPR 22)	2019-08-31
	SANS 2335:2018 (ED. 1.00) (CISPR 35:2016 Edition 1)	SANS224 (CISPR 24)	2019-08-31
Equipment connected to a Network Terminal Point	SANS 2332:2017 (ED. 1.00) (CISPR 32:2015 Edition 2)	SANS 222 (CISPR 22)	2019-08-31
	SANS 2335:2018 (ED. 1.00) (CISPR 35:2016 Edition 1)	SANS224 (CISPR 24)	2019-08-31

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
Physical large telecommunication systems ▪ Radiated emission measurement procedure for physically large systems used within the telecommunication network, with the exception of radio equipment	SANS 300127 (EN 300127 V1.2.1)	None	
Equipment intended to be used within a telecommunications network ▪ Switching equipment ▪ Non-radio transmission and ancillary equipment o Multiplexers o Line equipment and repeaters – Synchronous Digital Hierarchy (SDH) – Plesiochronous Digital Hierarchy (PDH) – Asynchronous Transfer Mode (ATM) – Digital Cross Connect Systems – Network terminations – Transmission equipment used in the access network like xDSL ▪ Power supply equipment o Central power plant o End of suite power supplies o Uninterruptible power supplies (UPS) o Stabilized AC power supplies o Other dedicated telecommunication network power supplies, but exclude equipment which is uniquely associated with or integrated in other equipment ▪ Supervisory equipment o Network management equipment o Operator access maintenance equipment o Traffic measurement	SANS 300386 (EN 300386 V1.5.1)	None	

systems o Line test units Functional test units			
Classification of Equipment	**Applicable standard**	**Standard to be replaced**	**Date of when the standard will be replaced**
Radio communication equipment and services	SANS 301489-1 (EN 301489-1 V1.9.2	None	
Radio Paging Equipment ▪ Covers the assessment of paging equipment (receivers, transmitters and combined equipment) and ancillary equipment	SANS 301489-2 (EN 301489-2 V1.3.1)	None	
Short-Range Devices (SRD) – 9kHz to 40 GHz ▪ Short Range Devices (SRD) with RF power levels ranging up to 500 mW and intended for operation in the frequency range 25 MHz to 1000 MHz ▪ Short Range Devices (SRD) intended for operation in the frequency range 9 kHz to 25 MHz and inductive loop systems intended for operation in the frequency range 9 kHz to 30 MHz ▪ Short Range Devices (SRD) intended for operation in the frequency range 1 GHz to 40 GHz	SANS 301489-3 (EN 301489-3 V1.4.1)	None	

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
Fixed radio links and ancillary equipment ▪ Point-to-point equipment; o Intended for operation in the 1.4 GHz frequency band o Intended for operation in the 2.1 to 2.6 GHz frequency band o Intended for operation in the 3 to 11 GHz frequency band o Intended for operation in the 13 to 18 GHz frequency band o Intended for operation in the 23 GHz frequency band o Intended for operation in the 26 to 28 GHz frequency band o Intended for operation in the 32 to 38 GHz frequency band o Intended for operation in the 50 GHz frequency band o Intended for operation in the 52 GHz frequency band o Intended for operation in the 55 GHz frequency band o Intended for operation in the 58 GHz frequency band o With packet data interface intended for operation in the 7 to 55 GHz frequency band ▪ Point-to-Multipoint; o Intended for operation in the frequency band below 1 GHz o Intended for operation in the 1 to 3 GHz frequency band o Intended for operation in the 3 to 11 GHz frequency band o Intended for operation in the 11 to 62 GHz frequency band o Intended for operation in the 26 to 28 GHz frequency band	SANS 301489-4 (EN 301489-4 V1.4.1)	None	
Private land mobile radio ▪ Non-integral antenna PMR equipment (frequencies between 30 MHz and 1000 MHz with channel separations of 12.5, 20 and 25 kHz) ▪ Integral antenna PMR equipment (frequencies between 30 MHz and 1000 MHz with channel separations of 12.5, 20 and 25 kHz) ▪ Narrowband channel non-integral PMR equipment (frequencies between 30 MHz and 3 GHz with narrow channel separations less than 10 kHz)	SANS 301 489-5 (EN 301 489-5 V1.3.1)	None	

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
DECT ▪ Digital Enhanced Cordless Telecommunications (DECT) equipment	SANS 301489-6 (EN 301489-6 V1.2.1) SANS 301489-6 EN 301489-6 V1.3.1	None	
GSM and DCS ▪ Mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS) o Mobile and portable radio equipment and ancillary equipment meeting Phase 1, Phase 2, and Phase 2+ requirements of GSM 450 MHz, 900 MHz or DCS 1800 MHz digital cellular telecommunications systems	SANS 301489-7 (EN 301489-7 V1.3.1)	None	
Specific conditions for GSM base stations o GSM base station, ancillary RF amplifiers and GSM repeaters meeting Phase 2 and 2+ o Other types of GSM base station, ancillary RF amplifiers and GSM repeaters	SANS 301 489-8 (EN 301489-8 V1.2.1)	None	
Terrestrial sound broadcasting service transmitters ▪ AM sound broadcasting transmitters ▪ FM sound broadcasting transmitters ▪ DRM sound broadcasting transmitters ▪ T-DAB sound broadcasting transmitters	SANS 301 489-11 (EN 301 489-11 V1.3.1)	None	
Very Small Aperture Terminal, Satellite Interactive Earth Station operated in the frequency ranges between 4 GHz and 30 GHz in the Fixed Satellite Service (FSS) ▪ Transmit only and transmit and receive Ku band VSATs ▪ Receive-only Ku band VSATs ▪ Transmit only and transmit and receive C band VSATs ▪ Receive-only C band VSATs ▪ Satellite News Gathering (SNG) Ku band Transportable Earth Station (TESs) ▪ Satellite Interactive Terminals (SITs) ▪ Satellite User Terminals (SUTs) transmitting in the frequency range 29.5 GHz to 30.0 GHz ▪ Satellite User Terminals (SUTs) transmitting in the frequency range 27.5 GHz to 29.5 GHz	SANS 301489-12 (EN 301489-12 V2.2.2)	None	

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
Analogue and digital terrestrial TV broadcasting service transmitters	SANS 301489-14 (EN 301489-14 V1.2.1)	None	
Commercially available amateur radio equipment ▪ Amateur radio equipment	SANS 301489-15 (EN 301489-15 V1.2.1)	None	
2.4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment ▪ Wideband transmission systems operating in the 2.4 GHz ISM band using spread spectrum techniques ▪ High Performance Radio Local Area Networks (HIPERLAN) type 1 operating in the 5 GHz frequency band	SANS 301 489-17 (EN 301489-17 V2.1.1)	None	
Terrestrial Trunked Radio (TETRA) ▪ Mobile, base station, and portable equipment of Terrestrial Trunked Radio (TETRA) equipment	SANS 301 489-18 (EN 301489-18 V1.3.1)	None	
Receive Only Mobile Earth Stations (ROMES) operating in the 1.5 GHz band providing data communications ▪ ROMES which operate in the Land Mobile Satellite Service (LMSS) space to earth bands, 1 525 MHz to 1 544 MHz and 1 555 MHz to 1 559 MHz, allocated by the ITU-R Radio Regulations	SANS 301489-19 (EN301489-19 V1.2.1)	None	
Mobile Erath Stations (MES) used within the Mobile Satellite Services (MSS) ▪ MES operating within 1.6 GHz/2.4 GHz band ▪ MES Operating within the 1.5 GHz/1.6 GHz ▪ MES operating within the 2.0 GHz band ▪ MES operating below 1 GHz ▪ MES operating in the 11 GHz/12 GHz/14 GHz frequency bands	SANS 301489-20 (EN 301489-20 V1.2.1)	None	

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
Ground based VHF aeronautical mobile and fixed radio equipment ▪ Ground based aeronautical VHF radio communications equipment o operating in the frequency range 118 MHz to 136,975 MHz, at 8,33 kHz or 25 kHz channel spacing, o using DSB AM, GFSK or D8PSK modulation; o comprises ground base station, mobile, and hand held/portable applications ▪ Ground based aeronautical VDL Mode 2 and VDL Mode 4 radio communications equipment	SANS 301489-22 (EN 301489-22 V1.3.1)	None	
IMT-2000 CDMA Direct Spread (UTRA) base station ▪ Applies to 3rd Generation Partnership Project (UTRA) radio equipment intended for use in digital cellular mobile radio services	SANS 301489-23 (EN 301489-23 V1.5.1)	None	
IMT-2000 CDMA Direct Spread (UTRA) for mobile and portable radio ▪ Applies to the 3rd Generation Partnership Project (UTRA) digital cellular mobile and portable radio equipment	SANS 301489-24 EN 301489-24 V1.5.1)	None	
CDMA 1x spread spectrum Mobile Stations ▪ Applies to IMT-2000 CDMA Multi-carrier systems digital cellular mobile and portable radio equipment ▪ Applies to CDMA PAMR systems mobile and portable radio equipment	SANS 301489-25 (EN 301489-25 V2.3.2)	None	Immediate

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
CDMA 1x spread spectrum Base Stations ▪ Applies to IMT-2000 CDMA Multi-carrier radio equipment intended for use in digital cellular mobile radio services ▪ Applies to CDMA-PAMR radio equipment ▪ Applies to non-frequency converting repeaters intended for use in CDMA 1x spread spectrum networks	SANS 301489-26 (EN 301489-26 V2.3.2)	None	Immediate
Marine Radio Equipment and Services			
Common technical requirements	SANS 301843-1 (EN 301843-1:2000 V1.2.2)	None	
VHF radiotelephone transmitters and receivers	SANS 301843-2 (EN 301843-2:2002 V1.2.1)	None	

10.2 Safety Standards

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
Safety of information technology equipment	SANS 60950 (IEC 60950 Ed2)	None	
Audio, Video, and similar electronic equipment	SANS 60065 (IEC 60065)	None	
Electrical equipment for test and measurement, control, and laboratory use	SANS 61010-1 (IEC 61010-1)	None	

10.3. Performance Standards

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks • Introduction and common requirements	SANS 301908-1 (EN 301908-1 V2.2.1)	None	

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
CDMA Direct Spread (UTRA FDD) (UE)	SANS 301908-2 (EN 301908-2 V2.2.1)	None	
CDMA Direct Spread (UTRA FDD) (BS)	SANS 301908-3 (EN 301908-3 V2.2.1)	None	
CDMA Multi-Carrier (cdma2000) (UE)	SANS 301908-4 (EN 301908-4 V2.2.1)	None	
CDMA Multi-Carrier (cdma2000) (BS and Repeaters)	SANS 301908-5 (EN 301908-5 V2.2.1)	None	
CDMA TDD (UTRA TDD) (UE)	SANS 301908-6 (EN 301908-6 V2.2.1)	None	
CDMA TDD (UTRA TDD) (BS)	SANS 301908-7 (EN 301908-7 V2.2.2)	None	
CDMA Direct Spread (UTRA FDD) (Repeaters)	SANS 301908-11 (EN 301 908-11 V2.3.1)	None	
Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN	SANS 301893 (EN 301893 V1.5.1)	None	
On-site paging service	SANS 300224-2:2005 (EN 300 224-2 V1.1.1)	None	
Land Mobile Service			
Radio equipment with an internal or external RF connector intended primarily for analogue speech	SANS 300086-2 (EN 300 086-2 V1.1.1)	None	
Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector;	SANS 300113-2 (EN 300 113-2 V1.3.1)	None	
Radio equipment using integral antennas intended primarily for analogue speech;	SANS 300 296-2 (EN 300 296-2 V1.1.1)	None	

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
Terrestrial Trunked Radio (TETRA)			
Voice plus Data (V+D)	SANS 303035-1 (EN 303 035-1 V1.2.1)	None	
Direct Mode Operation (DMO)	SANS 303 035-2 (EN 303 035-2 V1.2.2)	None	
Terrestrial Trunked Radio (TETRA 2)	SANS 302561 (EN 302561: 2010 Ed1)	None	
	SANS 302561 (EN 302561: 2010 V1.2.1)	None	
Global System for Mobile communications (GSM)			
Base Station equipment	SANS 301502 (EN 301502 V 8.1.2)	None	
Mobile Stations in the GSM900 and DCS1800 bands	SANS 301511 (EN 301511 V 9.0.2)	None	
Technical performance (narrowband analogue mobile radio services)	SANS 0262-1:2003 Ed2	None	
	SANS 10262-1:2003 Ed2.01	None	
Access Network xDSL transmission filters			
Generic specification of the low pass part of DSL over POTS splitters, including dedicated annexes for specific xDSL variants	SANS 101952-1-1 (EN 101952-1-1:2004 V1.2.1)	None	
Specification of the high pass part of ADSL/POTS splitters	SANS 101952-1-2 (EN 101952-1-2:2002 V1.1.1)	None	
Specification of ADSL/ISDN splitters	SANS 101952-1-3 (EN 101952-1-3:2002 V1.1.1)	None	
Specification of ADSL over ISDN or POTS universal splitters	SANS 101952-1-4 (EN 101952-1-4:2002 V1.1.1)	None	
Specification for ADSL over POTS distributed filters	SANS 101952-1-5 (EN 101952-1-5:2006 V1.2.1)	None	

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
ADSL transceivers			
General requirements for ADSL	ITU-T Recommandation G992.1 (1999) amendement 1 (03/03)	None	
Extended bandwidth ADSL2 (ADSL2+)	ITU-T Recommandation G992.5 (01/09)	None	
VDSL2	ITU-T Recommendation G993.2 (12/11)	None	
ISDN and Leased line			
ISDN basic rate	ETSI TBR003: 1995 Issue 1	None	
ISDN Primary rate	ETSI TBR004: 1996 Issue 1	None	
Digital unstructured leased line	ETSI TBR012: 1993 Issue 1	None	
Digital structured leased line	ETSI TBR013: 1996 Issue 1	None	
Point-to-point digital fixed radio systems			
Generic specification for point-to-point digital fixed radio systems and antennas	SANS 301751 (EN 301751:2002 V1.2.1)	None	
Low capacity point-to-point digital radio systems operating in the 1.4 GHz frequency band	SANS 300630 (EN 300630: 2001 V1.3.1)	None	
Low and medium capacity point-to-point digital radio systems operating in the frequency range 2.1 GHz to 2.6 GHz	SANS 300633 (EN 300633: 2001 V1.3.1)	None	

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
High capacity digital radio systems carrying 1 x STM-1 signals and operating frequency bands with about 30 MHz channel spacing and alternated arrangements	SANS 300234 (EN 300234: 2001 V1.3.2)	None	
High Capacity fixed radio systems carrying SDH signals (2 x STM-1) in frequency bands with 40 MHz channel spacing and using CCDP operation	SANS 301461 (EN 301461: 2002 V1.3.1)	None	
High Capacity digital radio systems transmitting STM-4 or 4 x STM-1 in a 40 MHz radio frequency channel using CCDP operation	SANS 301277 (EN 301277: 2001 V1.2.1)	None	
High capacity digital radio systems carrying SDH signals (up to 2 x STM-1) in the frequency bands with about 30 MHz channel spacing and using co-polar arrangements or CCDP operation	SANS 301127 (EN 301127:2002 V1.3.1)	None	
High Capacity digital radio systems carrying STM-4 in two 40 MHz channels or 2 x STM-1 in a 40 MHz channel with alternate channel arrangement	SANS 301669 (EN 301669: 2001 V1.2.1)	None	
PDH; Low and medium capacity and STM-0 digital radio system operating in the frequency range 3 GHz to 11 GHz	SANS 301216 (EN 301216: 2001 V1.2.1)	None	
PDH; Low and medium capacity digital radio systems operating in the 13 GHz, 15 GHz and 18 GHz frequency bands	SANS 301128 (EN 301128: 2001 V1.2.1)	None	
Sub-STM-1 digital radio systems operating in the 13 GHz, 15 GHz and 18 GHz frequency bands with about 28 MHz co-polar and 14 MHz cross-polar channel spacing	SANS 300639 (EN 300639: 2001 V1.3.1)	None	
Sub-STM-1 digital radio systems operating in the 13 GHz, 15 GHz and 18 GHz frequency bands with about 14 MHz co-polar channel spacing	SANS 300786 (EN 300786: 2001 V1.3.1)	None	

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
Parameters for radio systems for the transmission of STM-1 digital signals operating in the 18 GHz frequency band with channel spacing of 55 MHz and 27.5 MHz	SANS 300430 (EN 300430: 2002 V1.4.1)	None	
Parameters for radio systems for the transmission of digital signals operating at 23 GHz	SANS 300198 (EN 300198: 2002 V1.5.1)	None	
Parameters for radio system for the transmission of digital signals operating in the frequency range 24.50 GHz to 29.50 GHz	SANS 300431 (EN 300431: 2002 V1.4.1)	None	
Parameters for radio systems for the transmission of digital signals operating at 32 GHz and 38 GHz	SANS 300197 (EN 300197: 2002 V1.6.1)	None	
Characteristics and requirements for point-to-point equipment and antennas; Part 3: Equipment operating in frequency bands where both frequency coordinated or uncoordinated deployment might be applied	SANS 302217-3(EN 302217-3: 2005 V1.1.3)	None	
Characteristics and requirements for point-to-point equipment and antennas; Part 4-2: Antennas	SANS 302217-4-2(EN 302217-4-2: 2006 V1.2.1)	None	
Characteristics and requirements for point-to-point equipment and antennas; Part 2-2: Digital systems operating in frequency bands where frequency co-ordination is applied	SANS 302217-2-2(EN 302217-2-2: 2004 V1.1.3)	None	
Point-to-multipoint Systems			
Generic specification for multipoint digital fixed radio systems and antennas	SANS 301753 (EN 301753: 2003 V1.2.1)	None	
TDMA; Point-to-multipoint digital radio systems in frequency bands in the range 1 GHz to 3 GHz	SANS 300636 (EN 300636: 2001 V1.3.1)	None	
TDMA; Point-to-multipoint digital radio systems in frequency bands in the range 3 GHz to 11 GHz	SANS 301021 (EN 301021: 2003 V1.6.1)	None	
Point-to-multipoint digital radio systems in frequency bands in the range 24.25 GHz to 29.5 GHz	SANS 301213 (EN 301213: 2002 V1.1.2)	None	

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
Point-to-multipoint system with integral antennas in frequency bands: • 30 MHz to 11,00 GHz. • 24,25 GHz to 29,50 GHz. • 31,00 GHz to 33,40 GHz.	SANS 302326-2 (EN 302326-2: 2006 V1.1.2)	None	
Antennas (whether integral or non-integral) used in multipoint radio systems operating in the following frequency bands: • 1 GHz to 3 GHz; • 3 GHz to 5.9 GHz; • 5.9 GHz to 8.5 GHz; • 8.5 GHz to 11 GHz; • 24.25 GHz to 30 GHz; • 30 GHz to 40.5 GHz.	SANS 302326-3 (EN 302326-3: 2006 V1.1.2)	None	
Satellite Earth Station Systems			
VSAT; transmit-only, transmit-and-receive, receive-only satellite earth stations operating in the 4 GHz and 6 GHz frequency bands	SANS 301443 (EN 301443: 2006 V1.3.1)	None	
VSAT; transmit-only, transmit/receive or receive satellite earth stations operating in the 11/12/14 GHz frequency bands	SANS 301428 (EN 301428: 2006 V1.3.1)	None	
Satellite News Gathering Transportable Earth Stations (SNG TES) operating in the 11-12/13-14 GHz frequency bands	SANS 301430 (EN 301430: 2000 V1.1.1)	None	
Cordless Telephone Equipment			
Digital Enhanced Cordless Telecommunications (DECT) covering the essential requirements	SANS 301406 (EN 301406: 2003 V1.5.1)	None	
CT2 cordless telephone equipment	SANS 301797 (EN 301797: 2000 V1.1.1)	None	
Digital Broadcasting Services			
Set-top box decoder for free-to-air digital terrestrial television	SANS 862	None	Immediate

… end of substitution"

5. Substitution of Regulation 11 of the Regulations

The following regulation is hereby substituted for regulation 11 of the Regulations:

"11. Non-telecommunication EMC standards[1]

Classification of equipment	Emissions standard	Immunity standard	Standards to be replaced	Date of when the standard will be replaced
Industrial, Scientific and Medical (ISM) equipment, excluding telecommunications equipment operating in the ISM bands mandated by ITU-R	SANS 211 (CISPR 11)	SANS 2335:2018 (ED. 1.00) (CISPR 35:2016 Edition 1)	SANS 224 (CISPR 24)	2019-08-31
Vehicles, boats and internal combustion engine-driven devices	SANS 212 (CISPR 12) (*1)	Nil		
Household appliances, electric tools and similar apparatus including residential HVAC&R products	SANS 214-1 (CISPR 14-1)	SANS 14-2 (CISPR 14-2)		
Commercial, light-industrial and industrial HVAC&R products	SANS 61000-6-4 (IEC 61000-6-4 Edition 2)	SANS 61000-6-2 (IEC 61000-6-2 Edition 2.1)		
Electrical lighting and similar equipment	SANS 215 (CISPR 15)	SANS 61547 (IEC 61547)		
Class A and Class B Multimedia equipment (MME) with a rated r.m.s. AC or DC supply voltage not exceeding 600 V	SANS 2332:2017 (ED. 1.00) (CISPR 32:2015 Edition 2)	SANS 2335:2018 (ED. 1.00) (CISPR 35:2016 Edition 1)	SANS 222 (CISPR 22) SANS 224 (CISPR 24) SANS 213 (CISPR 13) SANS 2200 (CISPR 20)	2019-08-31
Low-voltage switchgear and control gear assemblies - Part 1: Type-tested and partially type-tested assemblies	SANS 60439-1 (IEC 60439-1)	SANS 60439-2 (IEC 60439-2)		
Alternating-current watt-hour meters Class 0,5, 1 and 2	SANS 2332:2017 (ED. 1.00) (CISPR 32:2015 Edition 2)	SANS 2335:2018 (ED. 1.00) (CISPR 35:2016 Edition 1)	SANS 222 (CISPR 22) SANS 224 (CISPR 24)	2019-08-31
Low voltage power supplies, d.c. output	SANS 61204-3 (IEC 61204-3)	SANS 61204-3 (IEC 61204-3)		
Electrical equipment for measurement, control and laboratory use	SANS 61326 (IEC 61326)	SANS 61326 (IEC 61326)		

[1] All non-telecommunication equipment in the table above with direct or in-direct interface to power mains are subject to conformance with Limits for harmonic current emissions (equipment input current <= 16A per phase) as per SANS 61000-3-2 (IEC 61000-3-2ed3.2) and Limitation for voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16A per phase and not subject to conditional connection as per SANS 61000-3-3 (IEC 61000-3-3 Ed2).

Classification of equipment	Emissions standard	Immunity standard	Standards to be replaced	Date of when the standard will be replaced
Adjustable speed electrical power drive systems	SANS 61800-3 (IEC 61800-3)	SANS 61800-3 (IEC 61800-3)		
Uninterruptible power systems (UPS)	SANS 62040-2 (IEC 62040-2)	SANS 62040-2 (IEC 62040-2)		
Alarm systems --fire, intruder and social alarm systems	SANS 2332:2017 (ED. 1.00) (CISPR 32:2015 Edition 2)	EN 50130-4	SANS 222 (CISPR 22)	2019-08-31
Medical Electrical (ME) equipment and systems	SANS 60601-1-2:2014(ED. 3) (IEC 60601-1-2:2007 Edition 3)	SANS 60601-1-2:2014(ED. 3) (IEC 60601-1-2:2007 Edition 3)		

NOTE:

(*1) This standard refers to emissions from boats and vehicles, and is not applicable to aircraft or traction systems.

… end of substitution”