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GOVERNMENT NOTICES • GOEWERMENTSKENNISGEWINGS

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
350 Witch-Hazel Avenue,
Eco Point Office Park,
Eco Park, **CENTURION**,
Gauteng
E-mail: BNkgadime@icasa.org.za, Tel: 012 568 3993

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 ≤ 16 A 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 ≤ 75 A 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 <ul style="list-style-type: none"> ▪ 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 <ul style="list-style-type: none"> ▪ Switching equipment ▪ Non-radio transmission and ancillary equipment <ul style="list-style-type: none"> ○ Multiplexers ○ Line equipment and repeaters <ul style="list-style-type: none"> – 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 <ul style="list-style-type: none"> ○ Central power plant ○ End of suite power supplies ○ Uninterruptible power supplies (UPS) ○ Stabilized AC power supplies ○ Other dedicated telecommunication network power supplies, but exclude equipment which is uniquely associated with or integrated in other equipment ▪ Supervisory equipment <ul style="list-style-type: none"> ○ Network management equipment ○ Operator access maintenance equipment ○ Traffic measurement | SANS 300386 (EN 300386 V1.5.1) | None | |

| systems ○ 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 |
|---|---|-------------------------|--|
| <p>Fixed radio links and ancillary equipment</p> <ul style="list-style-type: none"> ▪ Point-to-point equipment; <ul style="list-style-type: none"> ○ Intended for operation in the 1.4 GHz frequency band ○ Intended for operation in the 2.1 to 2.6 GHz frequency band ○ Intended for operation in the 3 to 11 GHz frequency band ○ Intended for operation in the 13 to 18 GHz frequency band ○ Intended for operation in the 23 GHz frequency band ○ Intended for operation in the 26 to 28 GHz frequency band ○ Intended for operation in the 32 to 38 GHz frequency band ○ Intended for operation in the 50 GHz frequency band ○ Intended for operation in the 52 GHz frequency band ○ Intended for operation in the 55 GHz frequency band ○ Intended for operation in the 58 GHz frequency band ○ With packet data interface intended for operation in the 7 to 55 GHz frequency band ▪ Point-to-Multipoint; <ul style="list-style-type: none"> ○ Intended for operation in the frequency band below 1 GHz ○ Intended for operation in the 1 to 3 GHz frequency band ○ Intended for operation in the 3 to 11 GHz frequency band ○ Intended for operation in the 11 to 62 GHz frequency band ○ Intended for operation in the 26 to 28 GHz frequency band | SANS 301489-4 (EN 301489-4 V1.4.1) | None | |
| <p>Private land mobile radio</p> <ul style="list-style-type: none"> ▪ 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS) <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> GSM base station, ancillary RF amplifiers and GSM repeaters meeting Phase 2 and 2+ 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 <ul style="list-style-type: none"> 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) <ul style="list-style-type: none"> 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 (TESSs) 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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) <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 Earth Stations (MES) used within the Mobile Satellite Services (MSS) <ul style="list-style-type: none"> 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 |
|--|---|-------------------------|--|
| <p>Ground based VHF aeronautical mobile and fixed radio equipment</p> <ul style="list-style-type: none"> ▪ Ground based aeronautical VHF radio communications equipment <ul style="list-style-type: none"> ○ operating in the frequency range 118 MHz to 136,975 MHz, at 8,33 kHz or 25 kHz channel spacing, ○ using DSB AM, GFSK or D8PSK modulation; ○ 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 | |
| <p>IMT-2000 CDMA Direct Spread (UTRA) base station</p> <ul style="list-style-type: none"> ▪ 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 | |
| <p>IMT-2000 CDMA Direct Spread (UTRA) for mobile and portable radio</p> <ul style="list-style-type: none"> ▪ 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 | |
| <p>CDMA 1x spread spectrum Mobile Stations</p> <ul style="list-style-type: none"> ▪ 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 Recommendation G992.1 (1999) amendment 1 (03/03) | None | |
| Extended bandwidth ADSL2 (ADSL2+) | ITU-T Recommendation 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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 standards¹

| 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 ≤ 16 A 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 ≤ 16 A 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”

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