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GENERAL NOTICE

NOTICE 395 OF 2013

INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA (ICASA)

NOTICE OF INTENTION TO INCLUDE TECHNICAL STANDARDS IN THE OFFICIAL LIST REGULATIONS PUBLISHED ON THE 22ND JANUARY 2010 (GG 32885)

1. The Independent Communications Authority of South Africa (herein after referred to as "ICASA") hereby gives notice in terms of section 4(4) of the Electronic Communications Act No. 36 of 2005 (herein after referred to as "the Act") of its intention to incorporate technical standards to the Official List Regulations in terms of section 36 of the Act and section 4(3)(j) of the Independent Communications Authority of South Africa Act No. 13 of 2000 as amended ("the ICASA Act").
2. A copy of the proposed regulation is available on the Authority's website at <http://www.icasa.org.za> and in the ICASA Library at 164 Katherine Street, PinMill Farm, Sandton Block D, between 08h30 and 16h30, Monday to Friday.
3. Interested persons are invited to submit written representations on these draft Official List Regulations by **31 May 2013** by post, hand delivery, facsimile transmission, or electronically (in Microsoft Word) for the attention of:

Albert Ntavhaedzi

Project Leader

or

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4. All written representations submitted to ICASA pursuant to this notice will be made available for inspection by interested persons at the ICASA library and copies of such representations will be obtainable on payment of the prescribed fee.

5. At the request of any person who submits written representations pursuant to this notice, ICASA will determine whether such representations or any portion thereof is confidential in terms of section 4D of the ICASA Act. If the request for confidentiality is declined by the Authority, the licensee making the request will be allowed to withdraw such representations or portion thereof.
6. The final regulation will be published in the government gazette.



DR STEPHEN MNCUBE
CHAIRPERSON

SCHEDULE

1. Definitions

In these regulations “the Regulations” means the regulations published by Government Notice No. R. 46 of 22 January 2010.

2. Substitution of regulation 10 of the Regulations

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

3. Substitution of regulation 10 of the Regulations

The Standards in square brackets underlined with a solid line □ will be replaced by the standards in brackets ().

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 ed2.1] (CISPR 16-1-1 ed3)
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 ed2] (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 ed1.1] (CISPR 16-2-1 ed2)
Method of measurement of disturbances and immunity - Measurement of disturbance power	SANS 216-2-2 [CISPR 16-2-2 ed1.2] (CISPR 16-2-2 ed2)
Method of measurement of disturbances and immunity - Radiated disturbance measurements	SANS 216-2-3 [CISPR 16-2-3 ed2] (CISPR 16-2-3 ed3)
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 \leq 16A per phase)	SANS 61000-3-2 [IEC 61000-16-3-2 ed3] (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 \leq 16 A per phase and not subject to conditional connection	SANS 61000-3-3 (IEC 61000-3-3 ed1.2) & 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 ed1] (IEC 61000-3-5 ed2)
Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems – equipment with rated current \leq 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 ed1.2] (IEC 61000-4-2 ed2)
Radiated, radio-frequency, electromagnetic field immunity test	SANS 61000-4-3 [IEC 61000-4-3 ed3] (IEC 61000-4-3 ed3.1)

Electrical fast transient/burst immunity test	SANS 61000-4-4 (IEC 61000-4-4 ed2)
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 <u>[IEC 61000-4-6 ed2.2]</u> (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 <u>[IEC 61000-4-7 ed2]</u> (IEC 61000-4-7 ed2.1)
Power frequency magnetic field immunity test	SANS 61000-4-8 <u>[IEC 61000-4-8 ed1.1]</u> (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 <u>[IEC 61000-16-4-13 ed1]</u> (IEC 61000-4-13 ed1.1)
Voltage fluctuation immunity test	SANS 61000-4-14 <u>[IEC 61000-16-4-14 ed1.1]</u> (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 ed1.1)
Ripple on d.c. input power port immunity test	SANS 61000-4-17 <u>[IEC 61000-4-17 ed1.1]</u> (IEC 61000-4-17 ed1.2)
Emission and immunity testing in transverse electromagnetic (TEM) waveguides	SANS 61000-4-20 <u>[IEC 61000-4-20 ed1.1]</u> (IEC 61000-4-20 ed2)
Unbalance, immunity test	SANS 61000-4-27 <u>[IEC 61000-4-17 ed1]</u> (IEC 61000-4-27 ed1.1)
Variation of power frequency, immunity test	SANS 61000-4-28 <u>[IEC 61000-4-28 ed1.1]</u> (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 <u>[IEC 61000-4-30 ed1]</u> (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)
Industrial environments	SANS 61000-6-4 (IEC 61000-6-4 ed2)	SANS 61000-6-2 (IEC 61000-6-4 ed2)

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)			
<ul style="list-style-type: none"> Equipment connected to a Network Terminal Point. 	SANS 222 (CISPR 22:1997 with Amendments) SANS 222 (CISPR 22:2005 with Amendments) SANS 22:2008 (CISPR 22:2008)	SANS 222 (CISPR 22:1997 with Amendments) SANS 222 (CISPR 22:1998 with Amendments)	Immediate
	SANS224 (CISPR 24:1998 Ed 1)	None	
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	

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
Equipment intended to be used within a telecommunications network			
▪ Switching equipment	SANS 300386 (EN 300386 V1.2.1)	None	
▪ Non-radio transmission and ancillary equipment			
○ Multiplexers	SANS 300386 (EN 300386 V1.3.1)	None	
○ Line equipment and repeaters			
– Synchronous Digital Hierarchy (SDH)	SANS 300386 (EN 300386 V1.3.2)	None	
– Plesiochronous Digital Hierarchy (PDH)			
– Asynchronous Transfer Mode (ATM)	SANS 300386 (EN 300386 V1.3.3)	None	
– Digital Cross Connect Systems			
– Network terminations			
– Transmission equipment used in the access network like xDSL			
▪ Power supply equipment	SANS 300386 (EN 300386 V1.5.1)	SANS 300386 (EN 300386 V1.3.3)	2013/07/31
○ 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			
○ Network management equipment			
○ Operator access maintenance equipment			
○ Traffic measurement 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	<p>SANS 301489-1 (EN 301489-1 V1.6.1)</p> <p>SANS 301489-1 (EN 301489-1 V1.8.1)</p>	<p>SANS 301489-1 (EN 301489-1 V1.2.1)</p> <p>SANS 301489-1 (EN 301489-1 V1.3.1)</p> <p>SANS 301489-1 (EN 301489-1 V1.4.1)</p> <p>SANS 301489-1 (EN 301489-1 V1.5.1)</p> <p>SANS 301489-1 (EN 301489-1 V1.6.1)</p>	2013-10-01
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) – 9 kHz 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
Fixed radio links and ancillary equipment			
<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 	<p>SANS 301489-4 (EN 301489-4 V1.3.1)</p> <p>SANS 301489-4 (EN 301489-4 V1.4.1)</p>	<p>SANS 301489-4 (EN 301489-4 V1.3.1)</p>	2013-06-31
Private land mobile radio			
<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) 	<p>SANS 301 489-5 (EN 301 489-5 V1.3.1)</p>	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 	EN 301489-6 V1.3.1	SANS 301489-6 (EN 301489-6 V1.2.1)	2013-10-01
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)	SANS 301489-7 (EN 301489-7 V1.2.1)	2013-10-01
<ul style="list-style-type: 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)	SANS301489-11 (EN 301489-11 V1.2.1)	2013-10-01

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
<p>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)</p> <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 (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)	SANS 301489-12 (EN 301489-12 V1.2.1)	

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 (Does this include set top box?)	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	(EN 301489-17 V1.3.2)		
▪ High Performance Radio Local Area Networks (HIPERLAN) type 1 operating in the 5 GHz frequency band	(EN 301489-17 V2.1.1)	(EN 301489-17 V1.3.2)	2013-10-01

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
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	
Ground based VHF aeronautical mobile and fixed radio equipment			
<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)	SANS 301489-22 (EN 301489-22 V1.2.1)	2013-10-01
IMT-2000 CDMA Direct Spread (UTRA) base station			
<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 V1.3.1)		
	SANS 301489-23 (EN 301489-23 V1.4.1)	(EN 301489-23 V1.3.1)	2013-06-30

Classification of Equipment	Applicable standard	Standard to be replaced	Date of when the standard will be replaced
IMT-2000 CDMA Direct Spread (UTRA) for mobile and portable radio	SANS EN 301489-24 (EN 301489-24 V1.4.1)	SANS 301489-24 (EN 301489-24 V1.3.1)	2013-07-31
<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)	SANS 301489-24 (EN 301489-24 V1.4.1)	
CDMA 1x spread spectrum Mobile Stations	SANS 301489-25 (EN 301489-25 V2.3.2)	SANS 301489-25 (EN 301489-25 V2.2.1)	2013-10-01
<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 			
CDMA 1x spread spectrum Base Stations	SANS 301489-26 (EN 301489-26 V2.3.2)	SANS 301489-26 (EN 301489-26 V2.2.1)	2013-10-01
<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 			

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)	SANS 60950 (IEC 60950 Ed1)	Immediate
Audio, Video, and similar electronic equipment	SANS 60065 (IEC 60065)	None	Immediate
Electrical equipment for test and measurement, control, and laboratory use	SANS 61010-1 (IEC 61010-1)	None	Immediate

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	
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)	EN 301908-7 V2.2.1 SANS 301908-7 (EN 301908-7 V2.2.2)	None 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	EN 301893 V1.2.3 SANS 301893 (EN 301893 V1.3.1)	EN 301 893 V1.2.3	2013-10-1
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	
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	
Global System for Mobile communications (GSM)			
Base Station and Repeater 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	
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	
ADSL transceivers			
General requirements for ADSL	ITU-T Recommendation G992.1: 1999 Issue 1	None	
Extended bandwidth ADSL2 (ADSL2+)	ITU-T Recommendation G992.1: 1999 Issue 1 & ITU-T Recommendation G992.5: 2009 Amd.5	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	
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	
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	

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	
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 operating in the frequency ranges 71-76/81-86 GHz; 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 operating in the frequency ranges 71-76/81-86 GHz; 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 operating in the frequency ranges 71-76/81-86 GHz; 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	
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 Terrestrial Broadcasting Services			
Set-top box decoder for free-to-air digital terrestrial television	SANS 862	None	Immediate

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