



SOUTH AFRICAN BROADCASTING SABC SOC LIMITED
(“the SABC”)

REQUEST FOR PROPOSAL (RFP)

RFP NUMBER: RFP/RBF/2022/50

RFP TITLE: REQUEST FOR PROPOSALS FOR THE APPOINTMENT OF A SERVICE PROVIDER TO SUPPLY OBVAN AND INSTALLATION OF BROADCASTING EQUIPMENT’S.

EXPECTED TIMEFRAME

BID PROCESS	EXPECTED DATES
Bid Advertisement Date	09 SEPTEMBER 2022
Bid Documents Available From	National Treasury’s tender portal (http://www.etenders.gov.za) SABC Website (http://www.sabc.co.za/sabc/tenders/)
Briefing Session Date & Time <i>The Bid Specification Committee (BSC) to make use of virtual Briefing sessions were Briefing Session is deemed necessary and cannot be avoided.</i> <i>See Annexure A (Guideline for Briefing Session) that the bidder needs to take note of</i>	NONE
Bid Closing Date and Time	10 OCTOBER 2022 @ 12H00 PM
Contact details	tenderqueries@sabc.co.za

The SABC retains the right to change the timeframe of this bid whenever necessary and for whatever reason it deems fit.

BIDS DELIVERY

**SABC's Tender Box
SABC Office
Radio Park
Henley Road; Auckland
Johannesburg**

During the COVID-19 pandemic, bidders may submit bids in the tender box or electronically until further notice. Refer to Document A for Conditions to be observed when bidding. All electronic bid submissions must be submitted using RFPSubmissions@sabc.co.za

Late Bid submissions will not be accepted for consideration by the SABC.

1. TECHNICAL REQUIREMENT

All bid respondents must submit document and information that comply with all technical requirements. Bids that do not fully comply with the technical requirements will be disqualified and will not be considered for further evaluation.

	Title	Requirement	Compliance response page reference (as reference to evidence/brochure) (The quotation is not considered to be a reference)	YES	NO
1.1.	Vehicle	<ul style="list-style-type: none"> • 2.0L or 2.5L, TDI 4AMO 103kW performance • Cruise control • 1968 cc to 3000 cc • Diesel fuel and an automatic • Extra-long wheelbase • super high roof • ABS Braking. • Custom Immobiliser. • Air-conditioning. • Radio/CD/MP3 Player • Bluetooth Phone Kit • GPS navigation system • Power steering • Reverse camera • Tow bar 			
1.2	Trailer	<ul style="list-style-type: none"> • Single or double Axle • Independent Breaking system on Double axle • Roadworthy with paperwork • Spare Wheel 			



		<ul style="list-style-type: none"> • Jockey Wheel • Stabilisers on Single Axle • Distribution Board • Electrical sockets 			
1.3	Diesel Generator	<ul style="list-style-type: none"> • 22kVA Standby, 230V, 1500 RPM • 55 litre tank: 15 Hours runtime @ 75% load • Built-in AVR delivers non fluctuating power • Starter motor 3.5kW 12V Electric Starter • 4-cylinder 4-stroke Powerful Diesel Engine • Single Phase Output • 20kVA Prime Silent Diesel Generator • Low oil pressure system • Low water cut out engine protection 			
1.4	UPS x2	<ul style="list-style-type: none"> • APC Smart-UPS On-Line, • 3kVA, • Lithium-ion batteries, Rackmount 3U, 230V, • 6x C13+2x C19 IEC outlets, • Network Card, • Extended runtime, • W/ rail kit High density, • double-conversion on-line power protection with scalable runtime. • Provides early-warning fault analysis on batteries enabling timely preventive maintenance (Battery failure notification) • Operating mode that by-passes unused electrical components in good power conditions to achieve high operating efficiency without sacrificing protection (ECO Mode) • Text and mimic diagrams that display modes of operation, system parameters and alarms (LCD graphics display) 			



		<ul style="list-style-type: none"> Protects the initial investment in the UPS when migrating from tower to rack-mount environment (Rack/Tower convertible). 			
1.5	Mixer	<ul style="list-style-type: none"> Digital Audio Mixer purpose designed for mobile applications; Modular control surface design; Modular I/O design; Programmable VU/PPM Metering; Integrated digital patching (routing); Multi-format busses that can easily be formatted into stereo or surround sound; 100mm channel faders; A minimum of 12 input channels that can accommodate both analogue or digital sources; All channels to include full processing, gain, phase reversal, 4 band parametric EQ, delay, multi format panning to groups and mix busses, compressor/gates & filters, solo, M-1 mix minus, direct O/Ps; Mic/Line input pre-amps with hi/lo impedance, phantom power, analogue input gain; M-1, pre and post fader o/p's per channel; Comprehensive snapshot memory for console settings; Each channel to include comprehensive metering; Comprehensive monitoring of all formats from Stereo up to 7.1 Surround to include all main o/p's, external monitor I/Ps, bus O/Ps, Aux sends; Talkback system selectable to audio monitors, Aux busses, Group O/Ps, Main O/Ps , F/B busses, external destinations etc.; Comprehensive metering; 			



		<ul style="list-style-type: none"> • Integrated Dante™ interface facilitates instant connection to industry standard Dante audio networks • Included vMIX automatic microphone mixing for two groups of up to 16 mics in conference ortheatrical applications • Two double-slot expansion slots for Stage box connection or option card installation • Redundant PSU 			
1.6	Speakers	<ul style="list-style-type: none"> • 2 x OB internal monitors: Genelec 8430A IP SAM™ Studio Monitor or equivalent. Frequency Response 58 Hz - 20 kHz (± 1.5 dB) Low cutoff -6dB 45 Hz High cutoff -6dB 23 kHz SPL Peak SPL ≥110 dB Short term max SPL ≥104 dB Long term max SPL ≥96 dB Self-generated noise ≤5 dB Weight 5.5 kg (12.1 lb) Dimensions Height 			



		<p>285 mm (11 7/32 in) Height with Iso-Pod 299 mm (11 25/32 in) Width 189 mm (7 7/16 in) Depth 178 mm (7 in)</p> <ul style="list-style-type: none"> 1 x subwoofer: Genelec 7040A Studio Subwoofer or equivalent <p>SPL 100 dB</p> <p>Amplifier Power 50 W Bass (Class D) Frequency Response 30 Hz - 90 Hz ("-6 dB") Accuracy of Frequency Response ± 3 dB (33 Hz - 85 Hz) Driver Dimensions ø 165 mm Bass (view in inches) Dimensions H 410 x W 350 x D 205 mm, (view in inches) Weight 11.3 kg / 24.9 lb</p> <p>Connections 2 x XLR Analog Input 2 x XLR Analog</p> <p>Output</p> <ul style="list-style-type: none"> 2 x PA speakers (powered): JBL EON 615 or equivalent <p>System Type Self powered 15", two-way, bass-reflex Max SPL Output 127 dB Frequency Range (-10dB) 39 Hz - 20 kHz Frequency Response (±3 dB) 50 Hz - 20 kHz Coverage Pattern 90° x 60° Amplifier Design Class D Power Rating 1000W Peak (700W LF + 300W HF), 500W Continuous (350W LF + 150W HF) Dimensions (H x W x D) 707mm x 439mm x 365mm</p>			
--	--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--



		<p>(27.8in x 17.3in x 14.4in)</p> <p>Net Weight 17.69 kg (39 lbs)</p> <p>Mic Inputs 2</p> <p>Phantom Power No</p> <p>EQ 3 Parametric EQs + Hi & Lo Shelf</p> <p>Effects DSP Presets</p> <p>Inputs 2 x Balanced XLR-1/4" combination inputs</p> <p>Outputs 1 x male XLR loop thru out</p> <p>Enclosure Polypropylene</p>			
1.7	Air-conditioning	<ul style="list-style-type: none"> • Wall Split 9000 Btu/hr Non Inverter Air Conditioner • Cooling and Heating. • For areas up to 18 m². • Self-Diagnosis and Auto Protection. • Fast Cooling – increased cooling capacity rate by 25%. • Ultra-Wide Frequency Control – the unit intelligently regulates operating frequency according to the temperature variation of the environment. • Voltage Mutation Self-adaptive Technology – with voltage supply variances from 150v to 264v the system will continue to operate stably due to the unique voltage mutation self-adaptive technology. • Optional installation kit with 3 m piping, bracket and interconnecting cable. 			
1.8	Audio Editing Workstation	<ul style="list-style-type: none"> • 15.6" Display, LED Backlit, • AMD Ryzen 3 3250U Processor, • 8GB DDR4 on board (upgradeable), • 512GB M.2 NVMe PCIe 3.0 SSD (HDD housing), • AMD Radeon Graphics, • Webcam: 720p HD camera, • Windows 10 Pro Operating system, 			



		<ul style="list-style-type: none"> • Ports: 1x HDMI 1.4, 1x VGA Port (D-Sub), 1x 3.5mm Combo Audio Jack, 1x RJ45 LAN Jack, 1x DC-in, 1x USB 2.0 Type-A, 1x USB 3.2 Gen 2 Type-C, 2x USB 3.2 Gen 2 Type-A, • Micro SD card reader, • Deck link card (8 SDI/HDMI input) 			
1.9	32-inch Smart TV	<ul style="list-style-type: none"> • List of DMP formats for audio and video • Hardware • Processor / Cores (4 core • Image processing • Ethernet RJ45 port • Anyview Cast • Apps (Netflix, SHOWMAX, YouTube) • Web browser (Opera) • Eco & Power Supply (Power Consumption (Stand-by) • DMP Formats • Container Format -AVI, .FLV, .MKV, .MP4, .OGG, .TS • Video - .3GP, .AVI, .FLV, .MKV, .MOV, .MP4, .MPEG, .MPG, .OGM, .VOB, .VRO, .WEBM, WMV • Audio - .FLAC, .MP2, .MP3, .MP4, .WMA, .WMV, MUSIC (.MP3, .AAC, .WMA, .WAV) • Music - .AAC, .MP3, .WAV, .WMA • Picture - .BMP, .GIF, .JPEG, .MPO, .PNG, .WEBP • Remote Control • Connectivity • Common Interface (CI+) -Yes (V1.4) • HDMI inputs 2 • RF Tuner • Ethernet RJ45 port • Wireless LAN adapter Support • WiFi technology -802.11bgn, 2.4G 			

		<ul style="list-style-type: none"> • Digital and Analog Tuner -DVB-T2/T/C/S2/S • Internet • Installed Apps -Netflix, SHOWMAX, YouTube • Web browser -Opera 			
1.10	Camera's	<ul style="list-style-type: none"> • 2 x RTSP camera (PoE bullet IP Security Camera with Audio): HIKVISION BULLET IP 2MP- 6MM EXIR CAMERA or equivalent. • (5MP/4MP Super HD, Outdoor/indoor protection, 100ft infrared night vision, audio recording, mobile remote access & control) • 2 x Go Pro cameras: GoPro Hero10 Action Camera or equivalent. • Sensor Type MOS Sensor • Sensor Resolution Effective: 23 Megapixel • Fixed Focus Yes • Media/Memory Card Slot Single Slot: microSD/microSDHC/microSDXC • Slow Motion Mode 120 fps Recorded at 3840 x 2160p 240 fps Recorded at 2704 x 1520p • Still Image Support JPEG / Raw • 23 MP • Audio Format WAV • IP Streaming RTMPS, RTMP: 1920 x 1080 			
1.11	Consumables	<ul style="list-style-type: none"> • High quality microphone/audio cable 2x20m • 3 Core 220V mains extension 1x30m 30A Cabtyre • Cat6 Ethernet Cable 1x20m • Analogue audio cable 2x20m • AES/EBU Digital Audio STP 110ohm 2x20m 			
1.12	CD players	<ul style="list-style-type: none"> • 19" rack mounted; • Compact size, preferably 1RU; 			



		<ul style="list-style-type: none"> Fader-start operation; Play single CD's; Programmable playback sequence; Repeat function; Auto cue and auto pause; AES/EBU digital audio outputs. 																					
1.13	Microphones	<ul style="list-style-type: none"> 1 x presenter microphone: Shure SM7B or equivalent. <p>Type: Dynamic Frequency response: 50 to 20,000 Hz Polar pattern: Cardioid Impedance: 150 ohms Hum Pickup: 11 dB Switches: HPF / Low cut filter, Mid frequency boost Connection: 3-pin XLR Net Weight: 765g Length: 19 cm Width: 10cm</p> <ul style="list-style-type: none"> 3 x Guest microphones: Shure MX418 gooseneck or equivalent. <table> <tr> <td>Capsule</td> <td>Condenser</td> </tr> <tr> <td>Polar Pattern</td> <td>Cardioid</td> </tr> <tr> <td>Pad</td> <td>None</td> </tr> <tr> <td>High-Pass Filter</td> <td>None</td> </tr> <tr> <td>Frequency Range</td> <td>50 Hz to 17 kHz</td> </tr> <tr> <td>Maximum SPL</td> <td>122.7 dB SPL (1 kHz, 1% THD, 1-Kilohm Load)</td> </tr> <tr> <td>Impedance</td> <td>180 Ohms at 1 kHz</td> </tr> <tr> <td>Dynamic Range</td> <td>96.2 dB (1-Kilohm Load)</td> </tr> <tr> <td>Signal-to-Noise Ratio</td> <td>66.0 dB (at 1 Pa/94 dB SPL)</td> </tr> </table>	Capsule	Condenser	Polar Pattern	Cardioid	Pad	None	High-Pass Filter	None	Frequency Range	50 Hz to 17 kHz	Maximum SPL	122.7 dB SPL (1 kHz, 1% THD, 1-Kilohm Load)	Impedance	180 Ohms at 1 kHz	Dynamic Range	96.2 dB (1-Kilohm Load)	Signal-to-Noise Ratio	66.0 dB (at 1 Pa/94 dB SPL)			
Capsule	Condenser																						
Polar Pattern	Cardioid																						
Pad	None																						
High-Pass Filter	None																						
Frequency Range	50 Hz to 17 kHz																						
Maximum SPL	122.7 dB SPL (1 kHz, 1% THD, 1-Kilohm Load)																						
Impedance	180 Ohms at 1 kHz																						
Dynamic Range	96.2 dB (1-Kilohm Load)																						
Signal-to-Noise Ratio	66.0 dB (at 1 Pa/94 dB SPL)																						



		<p>Output Connectors (Analog) 1 x XLR 3-Pin Operating Voltage 11 to 52 V (Phantom Power) Dimensions ø: 0.79 x L: 22.5" / ø: 20.07 x L: 571.44 mm (Gooseneck, Microphone) ø: 2.62 x " / ø: 66.7 x mm (Mount) Weight 1.23 lb / 558.5 g</p> <ul style="list-style-type: none"> 1 x roving microphone and receiver: Shure QLXD24/B87A Wireless Microphone System with BETA 87A Handheld Vocal Mic or equivalent. <p>Audio Frequency response (TX): 50Hz - 20kHz Maximum SPL: 141 dB Format: Digital Range Line of sight: 300' Obstructions: 100' Microphone Capsule: Condenser Pattern: Supercardioid Type: Handheld Battery Type: AA x 2 Life: 10 hours Frequencies Available frequencies: 22 Bandwidth: 24MHz Construction Transmitter: Metal Receiver: Metal</p>			
--	--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--

1.14	Hybrid IP PBX...(Alcatel-OmniPCX or equivalent)	<p>1 x Hybrid IP PBX...(Alcatel-OmniPCX or equivalent)</p> <ul style="list-style-type: none"> • Efficient call management including group calls, line supervision and call filtering • Hybrid connectivity: IP, SIP, WLAN, IP-DECT, DECT, digital, analog • Hybrid cloud connectivity with <u>Alcatel-Lucent Rainbow</u> for team collaboration and video conferencing • Unique number between <u>ALE business phones, ALE mobile handsets, softphones (IP Desktop Softphone and ALE SoftPhone)</u> or Rainbow application to communicate anywhere • Integration into SaaS applications to bring voice and collaboration • Contact center with intelligent voice call routing and 360° view of omnichannel interactions with <u>ALE Connect</u> • Encryption of communications and hardened software against cyberattacks • High availability and scalability up to 15,000 users per instance • Virtualized multi-instance architecture for private cloud • Software update and monitoring from the cloud with ALE Cloud Connect • Tools for management with <u>OmniVista 8770 NMS</u>, automation, call routing and notification services 			
1.15	Distribution Amplifier	<ul style="list-style-type: none"> • 1 x Audio Distribution Amp : Sonifex RB-DA6 6 Way Stereo Distribution Amplifier or equivalent. <p>Maximum Input Level: +28dBu Maximum Output Level: +28dBu</p>			



		<p>Frequency Response: 20Hz to 20kHz ±0.1dB (600Ω load, ref 1kHz)</p> <p>Gain Range: Adjustable 8dB loss to 18dB gain (L & R adjust)</p> <p>Common Mode Rejection: >66dB typically</p> <p>Input impedance: >20kΩ bridging</p> <p>Output impedance: <50Ω</p> <p>Distortion: 0.01% THD @ 1kHz, ref +8dBu output</p> <p>Noise: -100dB unity gain, ref +8dBu output</p> <p>Inputs: 2 x XLR 3 pin female (balanced, can be unbalanced)</p> <p>Outputs: 12 x XLR 3 pin male (balanced, can be unbalanced)</p> <p>Mains Input: Filtered IEC, switchable 110-120V, or 220-240V, fused, 6W max</p> <p>Fuse Rating: Anti-surge fuse 100mA 20 x 5mm (230VAC) Anti-surge fuse 250mA 20 x 5mm (115VAC)</p> <p>RB-DA6: 6 way stereo distribution amplifier</p> <p>Dimensions (Raw): 48cm (W) x 10.8cm (D) x 4.2cm (H) (1U)</p> <p>19" (W) x 4.3" (D) x 1.7" (H) (1U)</p> <p>Dimensions (Boxed): 58.5cm (W) x 22.5cm (D) x 7cm (H)</p> <p>23" (W) x 8.9" (D) x 2.8" (H)</p> <p>Weight: Nett: 1.3kg Gross: 1.9kg Nett: 2.9lbs Gross: 4.2lbs</p>			
1.16	Rag light controller	<p>1 x trufi TF-RC101 or equivalent.</p> <ul style="list-style-type: none"> • 220Vac 50VA operation • 12V/24V DC open collector outputs • 48V DC reversing polarity output optional • Dual System for Studio And Control Room • Phone Ringer • +24V and -24V DC outputs 			
1.17	Rag light	<p>1 x trufi TF-RL250 or equivalent.</p>			

		RED /GREEN Switching <ul style="list-style-type: none"> • 12V DC operation • 70mA current draw • Wall mount brackets • Ringer option available in blue or amber 			
1.18	S/A DSTV dish	1 x DSTV: explora or equivalent. Must be able to deliver standard-definition video via RCA, HD and 4K video via HDMI.			
1.19	Headphones	4 x headphones: German Maestro GMP 8.35 Mobile Advanced Headphone or equivalent. Acoustical Principle closed Transducer Impedance dynamic Frequency Response 20 - 27.400 Hz Nominal Impedance 35 Ω THD Harmonic Distortion 0,12% (1 mW/1 kHz) Sound Pressure Level 101 dB (1 mW/1 kHz) Load Rating 100 mW Contact Pressure ~5,5 N Weight w/o Cable 220 g Connector 3,5mm Jack Plug Cable Straight 1,5m Cable with 3,5mm Jack			
1.20	AM/FM Tuner & Antenna	1 x AM/FM Tuner & Antenna: Tascam CD-400U Rack-mount CD / Media Player with Bluetooth Receiver and AM/FM Tuner or equivalent. CD400U Unit AC power cord Wireless remote controller, "RC-CD400" Rack-mounting screw kit FM antenna			



		<p>AM antenna Owner's manual/warranty CD/SD/USB/and FM/AM tuner real-time audio playback Wireless Bluetooth playback Outputs: XLR, RCA (x2), and headphone 1/8" audio input for playback from any external source "Power on Play" function starts audio playback automatically when powered on</p>			
1.21	Digital clock	<p>1 x Digital Clock: Wharton 4900 Broadcast studio clocks with 50mm (2") digits and EBU/SMPTE synchronisation (LTC) or equivalent.</p>			
1.22	Lights	<p>4 x 10w Led Flood Light for external use.</p> <p>Material: die-cast aluminum, toughened glass. Ingress Protection Rating: IP65 Life span: More than 50,000 hours. Input Voltage: 100-240v Power Consumption: 10w</p> <p>LED internal lights for the OB Van.</p>			
1.23	Fire extinguisher & Brackets	<p>1 x Fire extinguisher & Brackets: 2.5kg DCP Fire Extinguisher with Heavy Duty Bracket by Firstaider or equivalent.</p> <p>2.5kg DCP Fire Extinguisher with Heavy Duty Bracket by Firstaider</p> <p>Material – Mild Steel Full Weight – 4.1kg Empty Weight – 1.6kg Discharge Time – 10 sec Range of Discharge – 4m</p>			

		<p>Height -485mm Diameter Shell – 101mm</p>			
1.24	First Aid Kit	<p>1 x First Aid Kit: Survival Vehicle First Aid Kit or equivalent.</p> <p>Product Code 1651940000001 Gender Unisex Dimensions 21cm x 19cm x 11cm Weight 1.25kg</p>			
1.25	Bonded router	<p>1 x Balance 380 Load Balancer - 3x WAN Links, 1x USB 3G/4G, 1x GbE LAN, 200 Mbps Throughput, 50-250+ Users, 7x Load Balancing Algorithms, 20x SpeedFusion Peers, Drop-In Mode, PPTP Server, In and Outbound Load Balancing, 1U 19 Rack Mount Kit</p> <ul style="list-style-type: none"> • Pepwave MAX Transit Duo LTE-A with PrimeCare • Pepwave MAX Transit Duo LTE-A with PrimeCare - Annual • 1-Year PrimeCare (Includes SpeedFusion License and Warranty Extension) • Peplink External LTE Antenna 			
1.26	High-power PoE+ Gigabit Ethernet Switch.	<p>1 x Ethernet switch: Cisco WS-C2960X-24PS-L Gigabit POE Switch or equivalent.</p> <p>Cisco 2960X-24PS-L 24 x Gigabit POE ports (Total 370W) 4 x Gigabit SFP uplink ports Weight 8 kg Dimensions 51 x 41 x 10 cm</p>			

1.27	IP Codec	<p>1 x IP Codec: PRODYS PRONTONET IP/ISDN Codec or equivalent.</p> <p>Conversion: A/D and D/A: 24 bits Audio level: Saturation level +22dBu IP : IP V4 IP protocols: FTP, TCP/UDP, Netbios, HTTP, SMTP, IP (uni/multicast), DHCP, SNMP. Real-time audio streaming. ISDN: Terminal adaptor for basic RDSI access, Euro RDSI. (2B plus D channels) ISDN protocols: EISDN, AT&T 5ESS, DMS100, NAT 1 Auxiliary data: Two channels for MPEG and apt-X modes, 300,1200, 2400, 4800, 9600 b/s Power source: 94-250V AC 40W, IEC Inlet, lead supplied, UK 13A plug. Dimensions: 1U x 245mm deep, rack mounting Weight: 3kg approximately</p>			
1.28	Headphone Amp	<p>1 x Headphone Amp: Sonifex RB-DHD6 Digital 6-Way Stereo Headphone Distribution Amplifier or equivalent.</p> <p>Output Level: Drives 150mW into 32Ω to 600Ω headphones Dynamic Range: >100dB Input Impedance: 110Ω ±20% AES/EBU 75Ω ±15% S/PDIF Max Output Level: +12dBu unbalanced Headphone Gain Range: -80dBu to +12dBu Sample Frequency Range: 30kHz-100kHz Digital Inputs: 1 x AES/EBU XLR 3 pin female, 1 x S/PDIF RCA phono Headphone Outputs: 6 x ¼" (6.35mm) A/B-gauge 3-pole stereo jack sockets Mains Input: Filtered IEC, 110V-120V, or 220-240V, fused, 10W max Fuse Rating: Anti-surge fuse 100mA 20 x 5mm (230VAC)</p>			



		<p>Output Type Electronically balanced, RF filtered</p> <p>Output Impedance 120 Ω</p> <p>Max Output +20dBu</p> <p>A/D Dynamic Range 112 dB A-weighted, 110 dB unweighted</p> <p>Type IV Dynamic Range 123 dB with transient material, A-weighted, 22kHz BW; 121 dB with transient material, unweighted, 22kHz BW; 115 dB typical with program material, A-weighted, 22kHz BW</p> <p>Input Delay Length 100ms</p> <p>Alignment Delay 10ms per channel (60ms total)</p> <p>Sample Rate 48kHz</p> <p>Dynamic Range >110 dB A-weighted, >107dB unweighted</p> <p>THD+Noise 0.003% typical at +4dBu, 1kHz, 0dB input gain</p> <p>Frequency Response 20Hz – 20kHz, +/- 0.5dB</p> <p>Interchannel Crosstalk < -110 dB, -120dB typical (input-to-output: < -100 dB)</p> <p>Operating Voltage 100-120VAC 50/60 Hz - EU: 220-240 VAC 50/60 Hz</p> <p>Power Consumption 22 W</p> <p>Unit Weight 5.25 lbs. (2.4 kg)</p> <p>Shipping Weight 6.75 lbs. (3.1 kg)</p> <p>Dimensions 1.75" (H) x 5.75" (D) x 19" (W), 4.4cm (H) x 14.6cm (D) x 48.26cm (W)</p> <p>D/A Dynamic Range 112 dB A-weighted, 110dB unweighted</p>			
1.31	DTT Set Top Box	All wiring required for the installation of DTT set top boxes in the near future (including antenna and RF cabling) shall be provided.			
1.32	Sprinter awning	1 x Fold-out and tent style awnings			

NON-SUBMISSION OF ALL TECHNICAL INFORMATION WILL RESULT IN AUTOMATIC DISQUALIFICATION.

2. REQUIRED DOCUMENTS

- 2.1 CSD Registration details
- 2.2 SARS "Pin" to validate supplier's tax matters
- 2.3 Original or Certified copy of Valid BBEE Certificate (from SANAS accredited Verification Agency)

Note 1:

Verification Agencies and Auditors who are accredited by the IRBA (Independent Regulatory Board for Auditors) are no longer the 'approved regulatory bodies' for B-BBEE verification and therefore IRBA auditors are not allowed to issue B-BBEE certificates after 30 September 2016.

Note 2:

Any misrepresentation in terms of the above constitutes a criminal offence as set out in the B-BBEE act as amended and SABC shall reject the tender.

- 2.4 Proof of Valid TV License Statement (Company's, Shareholders and all Directors'), or affidavit proving that company and/or officials are not in possession of TV licence. Verification will also be done by the SABC internally.
- 2.5 Certified copy of Shareholders' certificates.
- 2.6 Certified copy of ID documents of the Directors or Members.
- 2.7 Last three years audited/reviewed financial statements OR the Companies Management Accounts.

NB: NO CONTRACT WILL BE AWARDED TO ANY BIDDERS WHOSE TAX AND TV LICENCE MATTERS ARE NOT IN ORDER.

THE WINNING BIDDER IS REQUIRED TO MAINTAIN OR IMPROVE THE BEE LEVEL AT WHICH THE TENDER WAS AWARDED.

CONTENTS

DOCUMENT A:	CONDITIONS TO BE OBSERVED WHEN BIDDING
DOCUMENT B:	GENERAL CONDITIONS OF THE BID/PROPOSAL
DOCUMENT C:	QUESTIONNAIRE
DOCUMENT D:	DECLARATION OF INTEREST
DOCUMENT E:	FUNCTIONALITY REQUIREMENTS
DOCUMENT F:	CONFIDENTIALITY
DOCUMENT G:	PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017- SBD 6.1
DOCUMENT H:	DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES - SBD 8
DOCUMENT I:	CERTIFICATE OF INDEPENDENT BID DETERMINATION SBD 9
DOCUMENT J:	ACCEPTANCE OF CONDITIONS OF BID
DOCUMENT K:	VENDOR FORM (SABC SUPPLIER/VENDOR REGISTRATION FORM) - (ATTACHED SEPARATELY) / PLEASE ALSO REGISTER ON CENTRALISED DATA BASE - https://secure.csd.gov.za

DOCUMENT A

CONDITIONS TO BE OBSERVED WHEN BIDDING

1.0 LODGING OF PROPOSALS

1.1 Bidders are required to complete and sign the RFP Document and initial all pages (including proposal and brochures).

1.2.1.Tender box submission

Bids submitted in the tender box must adhere to the following:

- Bids must be submitted in one (1) original, two (2) copies of the original and or memory stick or advanced device, by hand and be enclosed in a sealed envelope marked distinctly with the RFP number. All soft copies should be in PDF format and must contain proposal, all completed forms, and attachments. This envelope must indicate the Bid number and the name and delivery address of the Bidder.

1.2.2.Electronic submission:

Bids submitted electronically must adhere to the following:

- The single point of entry is RFPSubmissions@sabc.co.za.
- Electronic submissions must be submitted in a PDF format that is protected from any modifications, deletions or additions.
- Financial/pricing information must be presented in a **separate** attachment from the Technical/Functional Response information. The onus is on the Bidder to ensure that all mandatory and required documents are included in the electronic submission.
- All electronic submissions must be prominently marked with the full details of the tender in the email subject line namely Bidder's Name, Tender No and Tender Title.
- Tender submission emails received after submission date and time will be declared late bid submissions and will not be accepted for consideration by SABC.

1.4 The SABC will not be responsible for any failure or delay in the email transmission or receipt of the email including but not limited to:

- Receipt of incomplete bid
- File size

- Delay in transmission or late receipt of the bid
- Failure of the Bidder to properly identify the bid
- Illegibility of the bid; or
- Security of the bid data.

1.5 Bidders must ensure that bids are delivered timeously to the correct address. Bids not received in a specified manner, and by the specified time and date as set out in this RFP document will be rejected. The bid box is generally open 24 hours a day, 7 days a week.

2.0 COMPLIANCE WITH CONDITIONS OF PROPOSAL

2.1 No alteration, amendment or variation of the submitted proposal post the closing date of this bid shall be permitted nor accepted..,

3.0 COMPLIANCE WITH TECHNICAL SPECIFICATIONS

3.1 All bidders are required to submit bids in accordance with stipulated technical specification as indicated on this bid document. Failure to comply with the required technical specification will result in disqualification of the bid.

4.0 SCHEDULE OF QUANTITIES

4.1 Bidders are required to submit a detailed Schedule of Quantities indicating how the bid amount is composed. This schedule shall contain itemised descriptions, quantities, and unit prices.

5.0 BID PRICES

5.1 No change in the submitted bid prices shall be accepted and/or approved by the SABC after receipt and before award of this bid.

5.2 All prices are to be quoted in the Republic of South African Rand with VAT as a separate item.

5.3 All local suppliers quoting in foreign currency must convert the currency to Rands and indicate the exchange rate applicable.

5.4 The prices quoted should be inclusive of all costs needed to perform the specified services, not limited to, all kinds of local guarantee bonds, taxes and duties, customs, customs clearance, inland transportation, storage,

unpacking, positioning, installation, integration and testing. The prices quoted should be inclusive of all costs for the duration of the project.

- 5.5 This bid document is not an offer to purchase, order or contract.
- 5.6 Prices must be fixed for the first year and shall, where applicable, be subject to an increase of not more than the applicable CPI.
- 5.7 Bid prices for supplies in respect of which installation/erection/assembly is a requirement, shall include ALL costs on a basis of delivery on site as specified.
- 5.8 Any response submitted by a Bidder is subject to negotiation and review by the SABC.

6.0 SOURCE OF SERVICE AND MATERIAL

- 6.1 In the case of equipment/goods, which are partially or completely designed and/or manufactured in the Republic of South Africa, Bidders shall state the local content percentage.
- 6.2 Documentation certifying the local content percentage shall be submitted.

7.0 ACCEPTANCE OF PROPOSALS

- 7.1 The SABC does not bind itself to accept the lowest or any bid/proposal, nor shall it be responsible for or pay any expenses or losses which may be incurred by the Bidders in the preparation and delivery of its/his/her bid/proposal. The SABC reserves the right to accept a separate bid/proposal or separate bids/proposals for any one or more of the sections of a specification. The SABC also reserves the right to withdraw the bid at any stage.
- 7.2 No bid shall be deemed to have been accepted unless and until a formal contract/ letter of award is prepared and signed by SABC and the winning bidder.
- 7.3 The SABC reserves the right, should it deem it necessary, to monitor every stage of the contract to ensure:

- that the directors who were awarded the bid are in control of the company and/or that changes in directors does not affect delivery of the goods/services/work adversely;
- that, if there are changes in the control of the company, these should be brought to the attention of the SABC;
- that in the event that the bid or any part thereof is to be subcontracted to another company or organisation after the bid was awarded, the Bidder/s must immediately advise the SABC and the SABC shall approve same as it deems fit;
- successful delivery of the goods/services/works in terms of the contract, or timeous termination of the contract should such action be in the best interest of the SABC;
- audit the successful Bidder's contract from time to time.

7.4 This bid will remain valid 180 (one hundred and eighty) days from the date of bid closing.

8.0 DEFAULT BY BIDDERS

8.1 If Bidders purport to withdraw their bid(s)/proposals within the period for which they have agreed that their bid/proposal shall remain open for acceptance, or fails to enter into a written contract when called upon to do so, or fails to accept an order in terms of the bid, the SABC may, without prejudice to any other legal remedy which it may have, accept their bid(s) notwithstanding the purported withdrawal, or proceed to accept any other less favourable bid or call for bids afresh and may recover from the defaulting Bidders any additional expense it has incurred for the calling for new bids or the acceptance of any less favourable bid.

9.0 AMPLIFICATION OF PROPOSALS

9.1 The SABC may, after the opening of bids, call on the Bidder to amplify in writing any matter which is not clear in the Bidder's submission and such amplification shall form part of the original bid.

9.2 In the event of the Bidders failing to supply such information within the specified timeframe, the bid will be liable to rejection.

9.3 The SABC reserves the right to:

- not evaluate and award bids that do not comply strictly with this bid document;
- make a selection solely on the information received in the bids;
- enter into negotiations with any one or more of preferred Bidder(s) based on the criteria specified in the evaluation of this bid;
- contact any Bidder during the evaluation process, in order to clarify any information, without informing any other Bidders. During the evaluation process, no change in the content of the bid shall be sought, offered or permitted;
- cancel this bid or any part thereof at any time.

Should Bidder(s) be selected for further negotiations, they will be chosen on the basis of the greatest benefit to the SABC and not necessarily on the basis of the lowest costs.

10.0 IMPORT/EXPORT PERMITS

10.1 Bidders are required to include complete information on equipment and/or components requiring export/import permits.

11.0 COST OF BIDDING

11.1 The Bidder shall bear all costs and expenses associated with preparation and submission of its bid/proposal, and the SABC shall under no circumstances be responsible or liable for any such costs, regardless of, without limitation, the conduct or outcome of the bidding, evaluation, and selection process.

12.0 COMMUNICATION

12.1 The SABC has provided a single point of entry for any questions or queries that the Bidder may have. All queries must be submitted in writing and directed to authorised contact person. **Unauthorised communication with any other personnel or member of staff of the SABC, with regard to this**

bid is strongly discouraged and will result in disqualification of the respective Bidder's bid/proposal submission.

12.2 Should there be a difference of interpretation between the Bidder and SABC; SABC reserves the right to make a final ruling on such interpretation.

12.3 The closing time for clarification of queries is 3 (three) days before the deadline for bid/proposal submission. The Bidders should take note that questions together with responses will be sent to all Bidders who attended compulsory Briefing Session.

13.0 AUTHORISED CONTACT PERSONS

13.1 All enquiries in respect of this bid must be addressed to:

Tender Office
SCM Division
Radio Park Office Block
Henley Road
Auckland Park
Johannesburg
South Africa
E-mail: tenderqueries@sabc.co.za

14.0 BROAD-BASED ECONOMIC EMPOWERMENT

14.1 According to the 2013 B-BBEE Revised Coded of Good Practice the Exempted Micro Enterprise (EME) is only required to produce a sworn affidavit signed by the Commissioner of Oaths as per the requirement in the Justice of Peace and Commissioners of Oaths Act, 1963 (Act No. 61 of 1963) or the Companies and Intellectual Property Commission ("CIPC") certificate on an annual basis.

14.2 Bidders other than EMEs must submit their original and valid B-BBEE status level verification certificate or a certified copy thereof, substantiating their B-BBEE rating issued by a Verification Agency accredited by SANAS.

14.3 Only South African Accreditation Systems (SANAS) is the authorised body to issue B-BBEE certificates

14.4 IRBA and Accounting Officers are **not** allowed to issue B-BBEE affidavit or certificates to EMEs and QSEs as it was under 2007 Codes

14.5 EME's and QSE's must submit an affidavit confirming that the entity's

turnover is below R10 million and percentage of black ownership to claim BBBEE points

- 14.6 QSEs have to comply with all elements
- 14.7 Start-up enterprises are verified similar to EMEs, but can opt to be rated using the QSE and Generic Scorecard
- 14.8 QSE with at least 51% black ownership or above are only required to obtain a sworn affidavit on an annual basis with a confirmation of turnover and black ownership
- 14.9 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that B-BBEE status level certificate under the consortium name is submitted.
- 14.10 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.
- 14.11 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.
- 14.12 A bidder will not be awarded points for B-BBEE status level if it is indicated in the bid documents that such a bidder intends sub-contracting more than 25% of the value of the contract to any other enterprise that does not qualify for at least the points that such a bidder qualifies for, unless the intended sub-contractor is an EME that has the capability and ability to execute the sub-contract.
- 14.13 A bidder awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.

15.0 MISREPRESENTATION AND FRONTING IS PROHIBITED

Fronting means a deliberate circumvention or attempted circumvention of the B-BBEE Act and the Codes. Fronting commonly involves reliance on data or claims

of compliance based on misrepresentations of facts, whether made by the party claiming compliance or by any other person.

It is an offence to misrepresent or provide false information regarding a company's information or engaging in a fronting practice. If there is any contravention of some sought, the SABC may open a criminal and/or civil case/s against the bidder and its directors/members in terms of applicable legislation, and restrict the bidder & its directors/members from doing business with the SABC for a pre-determined period.

It is important to note that any proposal that does not conform fully to the instructions and requirements in this RFP will be disqualified.

Suppliers might be required to demonstrate their proposed capabilities by means of a presentation, clear and easily verifiable reference documentation and/or a visit to an existing client site where their capabilities may be demonstrated.

Bids, which do not meet the technical requirements, will not be considered for further evaluation.

END OF DOCUMENT

DOCUMENT B

GENERAL CONDITIONS OF PROPOSAL

1.0 COMPLIANCE WITH COMPLETION OF PROPOSAL

- 1.1 The bid forms should not be retyped or redrafted, but photocopies may be prepared and used.
- 1.2 Bid forms must be signed in the original form; in ink and forms with photocopied signatures or other such reproduction of signature will be rejected.
- 1.3 Should bid forms not be filled in by means of mechanical devices, for example typewriters, ink, preferably black, must be used to fill in bid.
- 1.4 Bidders shall check the numbers of the pages and satisfy themselves that none are missing or duplicated. No liability shall be accepted in regard to claims arising from the fact that pages are missing or duplicated. Incomplete bids will result in disqualification.

2.0 COMPLIANCE WITH TECHNICAL SPECIFICATIONS

- 2.1 Unless a departure is clearly stated by the Bidder at the time of bidding, the works shall be taken as complying in detail with the Technical Specifications, and the Bidder shall be held liable on all the terms and conditions of the contract as if this bid contained no departures. Technical specifications contained in any brochures, or any other descriptions submitted shall apply for acceptance test purposes.

3.0 WARRANTY

- 3.1 If there are any defects arising from failure of goods to meet the specifications within the period specified in the contract, the Bidder shall replace the defective items at his expense or shall refund the SABC such costs as the SABC may incur in replacing such defective item. The Bidder shall also bear the cost of transporting replaced/repaired items to the place of destination.

4.0 INSPECTION

- 4.1 The Bidder shall permit and assist the SABC's representatives in carrying out any inspections that are called for in the proposal or specifications.

5.0 PACKAGING

- 5.1 Goods purchased on this bid must be adequately protected and securely packaged during shipment and until delivery at the destination.
- 5.2 Goods must be clearly marked with the Bidder's name, description of contents and the SABC's order number and delivery address.

6.0 RISK

- 6.1 The Bidder will be responsible for losses that SABC incurred due to Bidder's negligence or intention and Bidder must provide Liability Insurance. This will be a condition of contract.

7.0 DELIVERY

- 7.1 Delivery will be to the Stores of the SABC Auckland Park, Johannesburg, Republic of South Africa. The contractual delivery date must be strictly complied with and each delivery must be preceded or accompanied by delivery note. If delivery does not take place within the period stipulated, the SABC may cancel the contract concluded with the bidder without further notice to the Bidder and with immediate effect without prejudice to any other course of action available to the SABC to recover any damages out of such delay. Receipt of the goods by the SABC will not be regarded as acceptance thereof until the goods have been accepted, and tested in compliance with the Technical Specifications.

8.0 PAYMENT

- 8.1 Payment, in currency other than South African Rand, will be made by means of a telegraphic or wired bank transfer.

The Bidder must provide:

- Name and address of their bank.
- Company account number to be credited.
- Sort/swift code of bank.

- 8.2 The SABC's standard payment terms are 30 days from date of Invoice.

9.0 ASSIGNMENT OF CONTRACT

- 9.1 The Bidder shall not have the right to cede any right or delegate any obligation in terms of this contract to any third party unless with the prior written approval of the SABC.

10.0 PROPOSALS ARE CONSIDERED TO BE BINDING ON THE BIDDERS

- 10.1 Representations made in the bid/proposal, including claims made in respect of commitments to dates of delivery, shall be considered binding on the Bidder on acceptance of the bid/proposal by the SABC and same will be form part of the contract to be concluded, unless specifically noted by the Bidder in the bid/proposal that same maybe subject to change;

11.0 COMPLIANCE WITH SABC POLICIES

- 11.1. SABC will not procure any goods, services, works or content from any employee or employee owned business, to ensure that suppliers competing for the SABC's business have confidence in the integrity of SABC's selection process.
- 11.2. SABC will not procure any goods, services, works or content from any SABC Independent Contractor or Independent Contractor-owned business, to ensure that suppliers competing for the SABC's business have confidence in the integrity of SABC's selection process.
- 11.3. No former employees, SABC's Non-Executive members and Independent Contractors will be awarded contracts with the SABC within 24 months after resigning from SABC employment or not being engaged with the SABC.
- 11.4. Should former employees, SABC's Non-Executive members and Independent Contractors resign from the employment of the SABC or not being engaged with the SABC and become directors of other businesses bidding with SABC, such bid will not be considered until the cooling off period of two years has expired.
- 11.5. "The SABC has a zero tolerance to theft, fraud and corruption. Such activities will be investigated and stringent action institutes such as laying of criminal charges or even removal from the SABC database of service providers. Should you suspect or become aware of any suspicious acts of fraud, theft or corruption involving SABC employees or other suppliers rendering services to the SABC, contact the SABC whistle blowers hotline at **"0800 372 831"**

12.0 FAILURE TO COMPLY WITH THESE CONDITIONS

12.1 These conditions form part of the bid and failure to comply therewith may invalidate a bid.

13.0 RFP SCHEDULE

13.1 Bidders will be contacted as soon as practicable with a status update. At this time, short-listed Bidder/s may be asked to meet with SABC representatives. Bidders should provide a list of persons and their contact details who are mandated to negotiate on behalf of their company.

14.0 ADDITIONAL NOTES

14.1 All returnable documents as indicated in the bid form must be returned with the response

14.2 Changes by the Bidder to his/her submission shall not be permitted after the closing date.

14.3 The person or persons signing the bids must be legally authorized by the Bidder to do so. A list of the person(s) authorized to negotiate on your behalf must be submitted along with the bid.

14.4 SABC reserves the right to undertake post-bid negotiations with the preferred Bidder or any number of short-listed Bidders.

FAILURE TO OBSERVE ANY OF THE ABOVE-MENTIONED REQUIREMENTS MAY RESULT IN THE BID BEING OVERLOOKED.

15.0 DISCLAIMERS

15.1 Bidders are hereby advised that the SABC is not committed to any course of action as a result of its issuance of this BID and/or its receipt of a bid in response to it. In particular, please note that the SABC may:

15.2 change all services on bid and to have Supplier re-bid on any changes.

15.3 reject any bid which does not conform to instructions and specifications issued herein

15.4 disqualify bids after the stated submission deadline

15.5 not necessarily accept the lowest priced bid

15.6 reject all bids, if it so deem fit

15.7 award a contract in connection with this bid at any time

15.8 award only a portion as a contract

15.9 split the award of the contract to more than one Supplier

15.10 make no award of a contract.

Kindly note that SABC will not reimburse any Bidder for any preparation costs or other work performed in connection with this bid, whether or not the Bidder is awarded a contract.

END OF DOCUMENT B

DOCUMENT C**QUESTIONNAIRE TO BE COMPLETED WHEN BIDDING**

If the information required in respect of each item cannot be inserted in the space provided, additional information may be provided on a separate sheet of paper with a suitable reference to the questionnaire number concerned.

1. Company's Treasury CSD unique registration reference number.	
2. Have your company been issued with a SARS Compliance Status PIN.	
3. If yes, please provide PIN number. The provision of the PIN will be construed as your permission to SABC Procurement to access your tax status on-line.	
4. Are you registered in terms of section 23(1) or 23(3) of the Value-added Tax Act, 1991 (Act 89 of 1991)?	
5. If so, state your VAT registration number and original current tax clearance certificate to be submitted	
6. Are the prices quoted fixed for the full period of contract?	
7. Is the delivery period stated in the bid firm?	
8. What is the address in the Republic of South Africa where an item of the type offered by you may be inspected preferably under working conditions? (Where Applicable)	

9. What is the approximate value of stock in the Republic of South Africa for this particular item? (If required).	
10. Where are the stock held?	
11. What facilities exist for servicing the items offered?	
12. Where are these facilities available?	
13. What are the names and addresses of the factories/suppliers where the supplies will be manufactured and may be inspected, if required?	

*

ALSO INDICATE WHICHEVER IS NOT APPLICABLE

END OF DOCUMENT C



DOCUMENT D
SBD-4
DECLARATION OF INTEREST

1.0 Any legal person, including persons employed by the state, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes a price quotation, advertised competitive bid, limited bid or proposal). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-

- the bidder is employed by the state; and/or
- the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.

2.0 In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

2.1 Full Name of bidder or his or her representative:

.....

2.2 Identity Number:

2.3 Position occupied in the Company (director, trustee, shareholder²):

.....

2.4 Company Registration Number:

2.5 Tax Reference Number:

2.6 VAT Registration Number:

2.6.1. The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / personnel numbers must be indicated in paragraph 3 below.



1“State” means –

- a. any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999)
- b. any municipality or municipal entity;
- c. provincial legislature;
- d. national Assembly or the national Council of provinces; or
- e. Parliament.

2”Shareholder” means a person who owns shares in the company and is actively involved in the management of the enterprise or business and exercises control over the enterprise.

2.7 Are you or any person connected with the bidder presently employed by the state? **YES / NO**

2.7.1 If so, furnish the following particulars:

Name of person / director / trustee / shareholder/ member:

.....

Name of state institution at which you or the person connected to the bidder is employed

.....

Position occupied in the state institution:

.....

Any other particulars:

.....

.....

.....

2.7.2 If you are presently employed by the state, did you obtain **YES/NO** the appropriate authority to undertake remunerative work outside employment in the state?

2.7.2.1 If yes, did you attached proof of such authority to the bid **YES / NO**

(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid).



2.7.2.2 If no, furnish reasons for non-submission of such proof:

.....
.....
.....

2.8 Did you or your spouse, or any of the company’s directors / trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months? **YES / NO**

2.8.1 If so, furnish particulars:

.....
.....
.....
.....

2.9 Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

2.9.1 If so, furnish particulars.

.....
.....
.....

2.10 Are you, or any person connected with the bidder, aware of any relationship (family, friend, other) between any other bidder and any person employed by the state who may be involved with the evaluation and or adjudication of this bid? **YES/NO**

2.10.1 If so, furnish particulars.

.....
.....
.....



2.11 Do you or any of the directors / trustees / shareholders / members of the company have any interest in any other related companies whether or not they are bidding for this contract? YES/NO

2.11.1 If so, furnish particulars:

.....
.....

3.0 Full details of directors / trustees / members / shareholders.

Table with 4 columns: Full Name, Identity Number, Personal Tax Reference Number, State Employee Number / Pers. Number. The table contains four empty rows for data entry.

4.0 DECLARATION

I, THE UNDERSIGNED (NAME)

.....

CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 2 and 3 ABOVE IS CORRECT. I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 23 OF THE GENERAL CONDITIONS OF CONTRACT SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

END OF DOCUMENT D

DOCUMENT E

TECHNICAL SPECIFICATION

1 INTRODUCTION AND BACKGROUND

The OB VAN will be used by TRUFM for revenue generating, to market the station and to reach its audience as a Public Broadcaster. TRUFM regularly organises various types of outreach programmes, live broadcasts and promotional activities in rural areas and other towns in the area of their broadcast coverage. Many of the rural areas, where concentrations of loyal audiences are based, are areas without electricity supply and broadcast connectivity infrastructure. Therefore, a professional digitised OB Van is needed to be able to reach TRUFM listeners.

TRUFM has an OB Van in use but unfortunately, it's constantly giving problems due to the age, the vehicle (Van) is 14 years old and the majority of the equipment has never been replaced making it the same age as the vehicle. Due to the pressing needs for the station to fulfil the aspect of its mandate, a replacement is needed to improve workflow and eliminate breakdowns. This proposed OB Van will ensure that TRUFM achieves its mandate and take the broadcast to its audience. This will assist more in ensuring that loyal supporters and audiences remain with the station as the station has a high number of Outside Broadcast requests from clients that requires an OB Van.

The project will require an appointment of a Contractor to execute the design and to customize this unit in order to deliver a complete solution. The contractor will work under the watchful eye of a SABC Project Manager working together with the System Integrator. This project will be a stand-alone and will not impact any on-going projects. This request will not affect the operations of the Station but seek to improve and assist the station in achieving its goals and objectives

2 SCOPE OF WORK

2.1 General Vehicle Specifications and Requirements

2.1.1 Vehicle Type

The required vehicle should be a 2.0L or 2.5L, TDI 4AMO 103kW performance ad cruise control. The vehicle should be in the region from 1968 cc to 3000 cc. Diesel fuel and an automatic, vehicle must have an extra-long wheelbase and super high roof. The Contactor must purchase the vehicle and register is under the SABC name upon delivery from the supplier.

The Contractor is to ensure that the vehicle's drivers are professionals with valid driver's licence and the vehicle is driven only during the construction phase. The Contractor must also ensure the construction site is in a secure environment and is locked during non-working hours.

Features of the vehicle will include:

- ABS Braking.
- Custom Immobiliser.
- Air-conditioning.
- Radio/CD/MP3 Player
- Bluetooth Phone Kit
- GPS navigation system
- Power steering
- Reverse camera
- Tow bar

2.1.2 National Road Traffic Regulation

It is the responsibility of the Contractor to ensure that the completed vehicles comply with South Africa's 'National Road Traffic Regulations' (published in Government Gazette No. 20963, Notice R225 of 17 March 2000).

A copy of this complex document can be obtained from the Publications department of the Government Printers, in Pretoria, South Africa or on the South African Government website.

2.1.3 Vehicle Weight

The Contractor shall carry out all weight calculations necessary to ensure that the vehicle is in compliance with the following requirements:

- There shall be an even distribution of weight and an adequately low centre of gravity so that the handling and stability of the vehicle is optimised.
- The load on any one axle shall not exceed 90% of the manufacturer's maximum rating.
- The 'National Road Traffic Regulations' for South Africa shall be strictly complied with.

Accurate figures for both overall and distribution of mass shall be provided at the first design review. On delivery of the vehicle, the contractor shall supply weighbridge certificates confirming compliance with the calculated weights.

All weight calculations shall include but not be limited to:

- Installed and stowed technical equipment;
- All additions and modifications to the vehicle and chassis;
- All furniture, equipment racks, fittings, fixtures, tools and the like.

2.1.4 Operating Conditions (Durability)

The vehicles shall be designed to operate in environmental conditions typical of South Africa. These conditions include: - reasonable quality dirt roads, temperatures ranging from -5°C to 40°C , humidity in the range 20% to 80% without condensation, a high occurrence of electric thunderstorms and heavy rain. The vehicles shall be designed to meet these specifications for a minimum service life of ten years.

2.1.5 Dust, Corrosion and Rust Protection

The vehicle shall be durably constructed and be adequately protected against dust, corrosion and humidity. Such protection shall include but not be limited to:-

- All steel components shall be primed and painted or powder coated to provide protection against rust;
- Particular attention shall be afforded to the protection of stowage lockers where wet equipment is often stored;
- Any modifications to the chassis or body of the vehicle shall be restored to the original factory specification;
- All door and locker hinges shall be manufactured from rustproof material and be protected from rain and moisture.

2.1.6 Interior Arrangement

Human engineering and ergonomics must receive due consideration in refining the proposed interior layout design. Using the typical layout sketch (attached as Appendix A) as a reference, bidders may propose alternative layouts whilst ensuring that the tendered price covers the option of the preferred layout.

In designing/proposing the vehicle layout, cognisance shall be taken of the following requirements: -

- a) Announcers shall be visible from the outside for public viewing.
- b) All equipment shall be accessible for maintenance.
- c) Where 'operator work surfaces' are specified, it is a requirement that all operator control panels are properly fitted into such work-surface.

Vehicle Compartments

It is envisaged that the vehicle load areas will be divided into two main compartments as follows:

(1) On-Air Studio (Seating for two to three persons)

- Announcer/DJ

- Two to three Guests

(2) Storage Area For storage of auxiliary equipment, VEP and air-conditioning as required

1 x DJ/Announcer chair with a good quality, durable fabric is required. This chair shall have arms rest and guard rails for movement (back and forth). The fabric colour shall be chosen to blend with the interior finishes.

A couch around the table is need for two to three guest using good quality, durability fabric.

Other features of the vehicle interior layout design, some of which are clear from the vehicle sketch, are: -

- Custom fitted operator desks or work-surfaces into which all operator panels shall be properly fitted.
- Optimal utilisation of free space for storage i.e. fitted solid wood cabinets (type of wood to be specified), drawers etc. for storage of personal belongings, equipment manuals, small technical items and so forth.
- Optimal utilisation of floor space.

2.1.7 Interior Finishes

The interior walls of the vehicles shall preferably be constructed using a good quality marine ply (5ply) clad with a suitable carpet, the colour and quality of which shall be approved by the Corporation. The wall construction shall be suitable for mounting light items such as communication stations, small white boards, telephone handsets and the like.

General requirements for interior finish: -

- All colours and finishes to be approved by the Corporation by way of samples presented at the first design review.
- Durable materials to be used throughout.
- All consoles and cabinetry to be manufactured from solid wood or other finish to be specified by the Corporation at the first design review.
- Exposed metal framework (e.g. bays and racks) to be sprayed or powder coated either black or grey.
- The colour and finish of all broadcast equipment will be accepted as supplied.
- The colour of all custom manufacture equipment, panels etc. shall be specified by the Corporation.

2.1.8 Equipment Racks (Bays)

All 19" equipment racks shall be custom manufactured and fitted to ensure the best possible utilisation of available space. The depth of all racks shall be optimised with adequate provision being made for power rails, signal cable reticulation and rear access for installation and maintenance purposes.

The rear of all racks and bays installed against external vehicle walls shall be accessible for maintenance purposes.

2.1.9 Floor

The materials to be used for the floor construction shall be specified. The floor covering shall comprise a hard wearing, durable and aesthetically pleasing, industrial vinyl flooring. This will be specified on a per vehicle basis at engineering meetings. The colour and quality of the carpet shall be approved by the Corporation

The floor shall be fitted with adequately sized 'access panels' allowing access to cable trays or channels with adequate capacity to accommodate all system cabling and facilitate installation and later maintenance. Power and signal cabling should follow separate paths of system cabling.

2.1.10 Acoustic Isolation

The acoustic properties and construction of the vehicle body shall ensure that noise attenuation better than 25dB in the frequency range 500Hz to 3 kHz (measured in octaves) is achieved.

The acoustic isolation between the Studio compartment and storage areas shall be better than 25dbA.

2.1.11 Lighting

House and Task Lights

- 220VAC mains operated LED house light fittings shall be installed in all compartments. House light levels shall not be less than 800 lux. It shall be possible to switch the house lights on without 220VAC mains feed being connected. This should be possible via a DC to AC inverter running off a secondary 12V deep cycle battery.

Description of operation:

The inverter shall be connected to both a 220VAC mains supply and the secondary battery with its output being fed to an AC contactor.

When a 220VAC AC mains supply is available the inverter will automatically and simultaneously both charge the secondary battery and provide a 220VAC output to both a contactor and to a 0-1 hr timer switch. In this mode, the energised contactor will source power from the mains supply.

When the 220VAC mains supply is interrupted, the inverter shall switch modes and source power from the secondary battery. At the same time, the contactor shall de-energise and source 220VAC from the inverter to power the 'emergency lights' circuit comprising one 220VAC light fitting per operational compartment, a light illuminating the VEP and two 220VAC high output LED rigging lights on each side

of the vehicle and one at the rear (i.e. 5 in total). A breaker located on the AC Breaker Panel shall facilitate the disabling of this 'automatic activation' feature.

In either of the two modes, it shall be possible to use the 0-1hr override time switch mounted at the main entrance(s) in order to power the timer lighting circuit which shall also comprise one 220VAC light fitting per operational compartment and a light illuminating the VEP

- Low wattage 220VAC LED strip lights in a protective housing shall be installed on the underside of all control work surfaces to illuminate the equipment installed in the 19" racks below the work surface top.
- The fronts of all equipment racks, especially where patch bays are installed shall also be illuminated by LED switch activated 220VAC directional lights.
- Outside sport lighting around the van on all corners

Cable Access (Mouseholes): -

- A cable access door or 'cable mouseholes' shall be fitted in a convenient location to provide an access route for ad hoc external production cabling not catered for on the VEP.
- The Mousehole door shall be approximately 180mm square and shall be fitted with suitable rust and corrosion resistant locks or catches (to be approved by the Corporation).
- The exact locations of such doors will be determined at coach build engineering meetings.
- The Mousehole door is to be fitted with double seals.

2.1.12 Exterior Colour, Paint Finishes and Sign-Writing

The Corporation will oversee the application of customised sign writing and logos to both sides and the rear of the vehicles after delivery. Bidders required to quote for the same.

NOTE.

No advertising matter or signage of any description is to be fitted to the exterior of the vehicle. A coachbuilder's plate may be fitted inside the vehicle or fitted externally subject to the approval of the Corporation.

2.1.13 Vehicle Entry Panel (VEP)

All circuits entering or leaving the vehicle shall be routed via the VEP. The VEP shall comprise a suitable 19" rack frame equipped with removable 19" connectors panels and connectors with circuits grouped as follows: -

(a) Audio.

- (b) Communications System.
- (c) Power and Control.

The VEP panel shall be located at the rear of the vehicle and on the LHS (kerbside). The exact locations will be determined at the first engineering meeting

VEP termination panels shall meet the following requirements: -

- Suitably braced standard 19" rack mount panels are preferred.
- VEP mounting frames shall be housed in a weather-proof compartment.
- All termination panels shall be easily accessible from ground level.
- Stress relief bars shall be provided for the securing of trailing cables.
- Spare connectors shall be included on each of the above panels.
- Provision for spare 19" panels.
- The design of the VEP shall incorporate the ability to lock the access door after rigging with all cables plugged in. Various solutions may be offered to achieve this i.e.
 - A cable brush in the door or;
 - A hinged flap with a shoot bolt (fitted in the VEP door);
 - Alternative proposal to be agreed to by the Corporation.
- VEP doors shall preferably incorporate double rubber 'door seals'.

In choosing the location of the VEP compartment, consideration should be given to the various cable routes to and from the technical areas in the vehicle.

2.1.14 Vehicle Levelling System

The vehicle shall be equipped with a four-point, hydraulically operated, levelling system.

This levelling system shall comply with the following requirements: -

- DC powered from the secondary (auxiliary) batteries;
- Master control in a suitable position.
- Have sufficient range so as to completely level the vehicle in all anticipated situations;
- Include quality RV type spirit level in the vicinity of the remote control panels to assist with levelling the vehicle;
- Allow simultaneous operation of any combination of two jacks;
 - Incorporate a protection/warning system to alert the driver should the legs not be fully raised.

2.1.15 Stowage Facilities

Whilst remaining acutely aware of aesthetics, all available space in the operator compartments shall, where practical, be adapted to provide storage for small items such as microphones, headsets, technical and operational manuals, personal belongings etc.

2.1.16 Cable Reels

Various standard cables, supplied fitted on cable reels running on bearings and fitted with a brake shall be provided.

NOTES:

The preferred cables specified above apply only to 'trailing cable' and not to general installation cabling in the vehicle. Substitutes for preferred cable types may be offered provided they have similar characteristics.

2.1.17 Aerials/Antennas

GSM Base Station

The vehicle shall be equipped with a GSM base station. The base station shall be connected to a Tri-band Omni Antenna to be installed at an appropriate location on the vehicle exterior.

2.1.18 Safe-Status Monitoring System

The vehicle shall be fitted with a 'Safe-Status Monitoring System' that monitors the status of the following systems, all of which, in the condition described, shall result in a 'faulty status'. Any fault status shall result in the illumination of a red warning light mounted on the dashboard in the vehicle's driver cab so as to be visible by the driver: -

- Levelling jacks down or not fully up.
- Cable Mousehole open (i.e. cables plugged in).
- Door(s) open.

2.1.19 Vehicle Tools

Any standard or special tools e.g. wheel levers, wheel spanners; crank handles etc. required for the maintenance of the vehicle shall be supplied. Provision shall be made for the secure stowage of such tools.

2.1.20 Fire Extinguishers

Minimum of Two 2kg CO2 fire extinguishers shall be supplied and fitted at appropriate locations in the vehicle.

2.1.21 Emergency Stops

Provision shall be made for all installed equipment, fittings and loose items to be adequately secured so as to avoid damage in the event of an emergency stop. Chairs shall be properly secured with suitable bungee cords while in transit.

2.1.22 First-Aid Kit

One comprehensive, general-purpose first aid kit shall be supplied and fitted.

2.1.23 Electrical Vehicle Connector and Tow bar

The vehicle shall be supplied with a South African standard tow bar and 7P towing connector. The South African standard 7 pin vehicle connector wiring detail including harness wiring colour codes is as follows: -

2.1.24 Chevrons

An SABS approved chevron plate shall be fitted to the rear of the vehicle in accordance with local Road Traffic regulations. Two steel rigid self-standing warning chevron triangles shall be supplied with the standard tool kit.

2.1.25 Yellow Reflective Tape

A special reflective tape must be applied to the sides of the vehicle in accordance with South African Road Traffic regulations.

2.1.26 Disabled Persons

Allowance must be made in the designs to accommodate disabled persons. Grab handles at the entrance to the studio area shall be fitted as well as any other fittings that could help the disabled with getting in and out of the vehicle.

Air-Conditioning System

The air-conditioning system shall preferably be of the type that is specifically designed for vehicle usage and shall operate from both 12Volt DC and 220V AC. It shall comply with the following general requirements.

- 2.2** Dissipate the entire heat load of electronic equipment and personnel in the vehicle and have spare capacity to accommodate an additional heat load of at least 20% of the calculated total.
- 2.3** Maintain the temperature of operator compartments at $22^{\circ} \pm 2^{\circ}$ up to a maximum external ambient temperature of 40°C DB (Dry Bulb). The normal ambient temp range is from 10°C to 30°C .
- 2.4** A single temperature control unit per air conditioning unit/system shall be provided.
- 2.5** Acoustic noise produced by the system shall not exceed the NC35 noise-rating curve.
- 2.6** The system shall by design, maintain a positive air pressure in the vehicle.
- 2.7** All air intake grilles shall include filters. The level of filtration shall be specified.

The use of air conditioning units does however necessitate some significant differences in the system design. These issues can be discussed and agreed to during the first coach build engineering design review.

2.8 Air-Conditioning Design Drawings

Bidders shall supply conceptual air conditioning design drawings as part of the tender response. At later engineering meetings however, a complete set of design drawings showing location of all components, supply and return air flows and a description of operation shall be submitted for approval by the Corporation prior to the commencement of works.

AC Power System

2.9 Installation Standards, Wiring and Connectors

Installation Standards

All wiring shall comply with the latest South African Bureau of Standards edition of "The Code of Practice for Wiring of Premises".

Wiring Colour Codes

All conductors shall be stranded, appropriately rated for the protection breaker and adhere to the following colour codes:

All power cabling shall be routed separately from signal cables and shall preferably be contained in cable trunking. Crossing of power and signal cabling shall be kept to a minimum.

Connectors

Mains Input (Shore) Connector	:	Ceeform Caravan Type 16A
Power Distribution	:	3 pin 15A
Equipment Racks	:	IEC (in Power Rails)

2.10 Input Voltage / Power Input Panel

The vehicle shall operate from a 220v 50Hz single phase supply. The power input (shore power) cable shall plug into a 'Power Input Panel' that is suitably located at the rear of the vehicle. The input panel shall be easily accessible from ground level.

Features of this panel shall include:

- Housed in a weather-proof compartment with a lockable door.
- A 'cable plug' in the floor of this compartment or other arrangement shall enable the door to be locked with the power cable connected.
- A single phase shore power isolator switch (preferably interlocked with the shore power input plug in such a way as to necessitate the isolator being in the 'switched off' position before shore power can be connected).
- A voltmeter to check the presence of power between neutral and live (L1-3).
- One auxiliary single-phase 'mains output' socket (3 pin 15A).

- Earth straps and connection lug for the earth peg cable.

Shore power shall be delivered via an appropriately rated 30m trailing power cable terminated on one end with a Caravan Type 16A connector and on the other end with a 15 Amp (South African Standard) male mains connector. NOTE: Experience with previous units is that the power requirements, allowing for the installation of additional equipment should approximate 10 Amps.

2.10.1 Isolation Transformer

Power from the power input panel shall be routed via an appropriately rated mains isolation to the broadcast equipment. Power to the air-conditioning units shall be sourced directly from shore power (not via the isolation transformer) and fed to dedicated isolator switches for each air conditioning unit.

2.10.2 AC Power Panel

AC power to equipment racks, monitor bays, mains outlet sockets, all light circuits etc. shall be routed via breakers located in the AC Power Panel. The AC Power Panel shall be installed at a location to be agreed, preferably in the vicinity of the technical racks area in the vehicle.

Features of the AC Power Panel shall include: -

- An earth leakage isolator.
- Optional earth leakage warning monitor.
- Circuit breakers for the protection of each individual circuit within the vehicle. Breakers shall be clearly labelled, with rating and destination information. Breaker ratings shall be chosen in accordance with good engineering practice.
- Voltage, current and frequency metering.

2.10.3 Power Distribution

Equipment Racks & Monitors Bays

AC power shall terminate in a power distribution rail(s) fitted with an appropriate number of IEC 16A outlets. With all installed equipment taken into account, there shall be spare outlets for future expansion within each rack. The IEC outlets shall be of the type fitted with a retention clip to prevent cables from working loose in transit.

Auxiliary Power Outlets

Standard switched 15A outlet sockets and 2 pin outlets (for cell phone chargers etc.) shall be provided at convenient locations throughout the vehicle including: operator compartment walls, on a power termination panel located in the VEP compartment, etc. The number and proposed locations will be agreed to during the design reviews.

2.10.4 Earthing and Earth Leakage

Earthing

The incidence of lightning strikes in certain areas of South Africa is amongst the highest in the world. Care shall therefore be taken to ensure that protection is maximised.

The vehicle shall have the following 'isolated earth sources' each connected to isolated lugs on the Power Input Panel so as to make it possible to strap the earths in any combination:

- Chassis earth.
- Technical equipment earth (wired to earth bars in racks and rack power rails).
- AC 'shore power' earth.
- Earth peg.

An earth peg with a 10 metre stranded earth cable for connection to an isolated earth peg lug on the 'power input panel' is required.

Earth Leakage

As far as earth leakage protection is concerned, there are various approaches that can be considered: -

- Conventional earth leakage breaker (set at 30mA in SA).
- Earth fault warning monitors in addition to the above.
- Earth fault limiters in addition to the above.

Bidders shall consider the merits of these options and make a recommendation.

2.10.5 DC Power

Features of the DC Power System shall include: -

- 12V secondary/auxiliary battery power source comprising one 100Ah deep cycle battery connected to a 220VAC Inverter which charges the battery when the vehicle is connected to mains (shore power) but supplies DC to power the inverter when mains power (shore power) is disconnected.
- The battery shall be capable of powering the full DC load presented including the levelling jack system and LED lights.
- DC Power Panel with circuit breakers and voltmeter, located near the battery compartment and to include a 'Main DC Isolator' switch.
- Emergency lighting feed via 0-1 hr. timer.
- DC Powered levelling system.

Broadcast Equipment

This section details the Corporations requirements and specifications in respect of broadcast and associated system equipment required **on the vehicle**. This information shall be used to develop the system concept schematics which will be used as the basis for development of final designs. Bidders shall submit concept schematics and other concept drawings e.g. proposed layout of vehicle, air-conditioning system concept etc. with the tender response.

The specifications and requirements documented in this section are fairly detailed and should present bidders with a good idea of the scope of the Corporations broadcast system requirements and operational philosophy. This information should however not be seen as prescriptive in terms of the system design approach and bidders should therefore offer the latest future-proofed technology solutions

A detailed broadcast equipment requirement follows. This list, in some instances, includes reference to the manufacturer and/or model of items of equipment. In such instances, bidders are encouraged to offer such equipment in the 'primary offer' and with alternatives being offered as such. At least one set of technical brochures shall be supplied for all equipment offered.

a) Off-Air Receivers

Satellite IRD

1 x Multi-Choice satellite IRD (available from various major retail stores and also Multi-Choice in SA) are required for primary off-air monitoring. These IRD's shall be fitted into custom 19" rack trays (with suitable escutcheon plates). A fully motorized rooftop satellite dish with automatic positioning for DSTV reception shall be offered (Alden).

Tenderers must also offer a portable stand, portable satellite dish with LNB (10.7GHz), RF cabling and all RF connectors as an alternative option.

Provision shall also be made for modular conversion cards, should they be required, to convert unbalanced analogue audio O/Ps to either balanced analogue audio or AES digital as required for integration.

DTT Set Top Box

All wiring required for the installation of DTT set top boxes in the near future (including antenna and RF cabling) shall be provided.

Television Set

1 x 32" Smart Television Set shall be mounted

AM/FM Receiver

1 x Professional Radio Receiver covering the AM and FM spectrum shall be incorporated in the vehicle's off-air monitoring system.

Audio System

- Features of the audio system design shall include:-
- AES/EBU digital audio system infrastructure;
- Unbalanced 75 ohm and balanced 110 ohm I/Os at the VEP as cost effectively possible;
- Audio routing integrated into the digital audio mixing solution;
- Aux & External Outputs / Remote inputs;
- Ability to interface to analogue sources and destinations.

b) Audio Mixing Console

- Digital Audio Mixer purpose designed for mobile applications;
- Modular control surface design;
- Modular I/O design;
- Programmable VU/PPM Metering;
- Integrated digital patching (routing);
- Multi-format busses that can easily be formatted into stereo or surround sound;
- 100mm channel faders;
- A minimum of 12 input channels that can accommodate both analogue or digital sources;
- All channels to include full processing, gain, phase reversal, 4 band parametric EQ, delay, multi format panning to groups and mix busses, compressor/gates & filters, solo, M-1 mix minus, direct O/Ps;
- Mic/Line input pre-amps with hi/lo impedance, phantom power, analogue input gain;
- M-1, pre and post fader o/p's per channel;
- Comprehensive snapshot memory for console settings;
- Each channel to include comprehensive metering;
- Comprehensive monitoring of all formats from Stereo up to 7.1 Surround to include all main o/p's, external monitor I/Ps, bus O/Ps, Aux sends etc.;
- Talkback system selectable to audio monitors, Aux busses, Group O/Ps, Main O/Ps , F/B busses, external destinations etc.;
- Comprehensive metering;
- Integrated Dante™ interface facilitates instant connection to industry standard Dante audio networks
- Included vMIX automatic microphone mixing for two groups of up to 16 mics in conference or theatrical applications
- Two double-slot expansion slots for Stage box connection or option card installation
- Redundant PSU

c) Digital Feedback Destroyer

A digital feedback destroyer unit shall be supplied and wired into the PA signal Route (e.g. Behringer or equivalent).

d) CD & USB Recorder/Playback

The requirement now is for a unit with simultaneous record/playback capability. The outputs of this disk recorder shall be wired to the audio mixer. GPI triggering of playback clips must be possible.

Features of the recorder should include: -

- Record, Edit & Play CD quality audio (44.1 kHz).
- Record stereo audio on CD & USB and optionally to an internal hard disk.
- Instant access to 'cuts'.

e) Audio Editing Workstation

A rackmount desktop shall be supplied, on which the SABC's Audio Broadcast software must be installed for the recording, editing and playback of audio material. This rackmount desktop must be located next to the audio mixer in a suitable position for DJ access. A docking station for the desktop shall be provided. Audio input and outputs shall be provided to fully integrate with the audio system.

Typical minimum specifications:

- 15.6" Display, LED Backlit,
- AMD Ryzen 3 3250U Processor,
- 8GB DDR4 on board (upgradeable),
- 512GB M.2 NVMe PCIe 3.0 SSD (HDD housing),
- AMD Radeon Graphics,
- Webcam: 720p HD camera,
- Windows 10 Pro Operating system,
- Ports: 1x HDMI 1.4, 1x VGA Port (D-Sub), 1x 3.5mm Combo Audio Jack, 1x RJ45 LAN Jack, 1x DC-in, 1x USB 2.0 Type-A, 1x USB 3.2 Gen 2 Type-C, 2x USB 3.2 Gen 2 Type-A,
- Micro SD card reader,
- Deck link card (8 SDI/HDMI input)

f) Audio Balancing Units (BALUN's)

AES/EBU Audio

Wherever required for proper integration, passive AES/EBU 110 ohm to 75 ohm and 75 ohm to 110 ohm BALUNS may be used. The Corporation has used Neutrik products for this purpose in the past but alternative products may be offered.

Analogue Audio

All audio equipment shall preferably have digital AES/EBU I/O's. In those rare instances where this is unavoidable, the analogue I/O's shall preferably be balanced and converted to/from AES/EBU for integration purposes.

No unbalanced analogue audio circuits will be tolerated at all. In those rare instances where equipment has only unbalanced analogue I/O's, analogue balancing and unbalancing units shall be used and installed as close as possible to the equipment concerned.

A separate patchable analogue audio balancing unit shall also be provided for ad-hoc conversions.

g) Compact Disk Players

Two professional CD players shall be provided.

Features shall include: -

- 19" rack mounted;
- Compact size, preferably 1RU;
- Fader-start operation;
- Play single CD's;
- Programmable playback sequence;
- Repeat function;
- Auto cue and auto pause;
- AES/EBU digital audio outputs.

h) Audio & Video Monitoring

Control Room monitoring shall include:

- High quality stereo monitoring via powered loudspeakers.
- Subwoofer
- RTSP camera (PoE bullet IP Security Camera with Audio) (5MP/4MP Super HD, Outdoor/indoor protection, 100ft infrared night vision, audio recording, mobile remote access & control))
- Go Pro Camera

VEP

A self-contained 'in rack' digital/analogue audio monitor unit is required. Features of this unit shall include:-

- All inputs wired to audio VEP panels;
- Analogue audio monitoring;
- AES/EBU digital audio monitoring;
- LED Metering of typically 4 channels;

i) Microphones

The following range of broadcast quality microphones and accessories shall be offered in the tender response (preferences indicated in brackets):-

- 3 x High quality "Guest" Microphones mounted on a good quality microphone arm
- 1 x High quality DJ Microphone mounted on a good quality microphone arm.
- 1 x UHF Wireless microphone system complete (transmitter, receiver system and antenna system) handheld microphone with all accessories.
- 2 x K & M Boom Stands.

j) IP Codec

1 x IP Codec unit shall be provided. It shall include Ethernet connectivity. (e.g. PRODYS QUANTUM ST AUDIO IP CODEC or equivalent)

k) Quad 4G/3G mobile outdoor router

The HD4 IP67 outdoor router offers quad embedded cellular modems and PoE support, all encased in a shock and vibration certified, waterproof enclosure that's more than a match for almost any environment.

Roof mount satellite uplink unit (Similar to the SABC hybrid vans)

l) Telephone Hybrid

1 x Dual channel digital telephone hybrid is required. (e.g. Sonifex or equivalent).
2 x Telephone handsets are also required.

m) Headphones and Headphone Amplifiers

2 x Dual headphone amplifiers/distribution units with user adjustable level controls and 3 x high quality headphones shall be provided.

n) Public Address System

2 x Portable high power (minimum 1000W RMS) Public Address type loudspeakers with built-in amplifiers and suitable stands shall be provided. Provision shall be made to store these loudspeakers and stands in the vehicle storage area when not in use.

o) Digital to Analogue and Analogue to Digital Convertors

1 x Patchable D/A and 1 x Patchable A/D audio converter shall be supplied

p) Audio Patch Panel

Noting that the audio router will be integrated into the audio mixer solution it is likely that most routing and patching will be accomplished digitally within the audio mixer.

An audio Patch Panel shall provide access to and monitoring of audio circuits not accessible via the mixer patch or those deemed necessary for maintenance and proper audio system functionality. The vehicle shall be supplied with at least 6 patch cords.

Patch Panels shall preferably be illuminated to facilitate patching in dimmed lighting conditions during productions.

q) Audio Tie Lines, Remotes and External Feeds

Audio Tie Line Requirements

Remote Feeds

Five router outputs shall be routed via DDA's to the VEP audio panel and designated REM 1 – REM 5. These outputs shall preferably be available as both AES/EBU digital and analogue Ch1 & 2.

External Feeds

Twelve inputs (both AES and Analogue Ch1/2) on the VEP audio panel shall be designated EXT 1 – EXT 6 and routed via modular interface cards to main router inputs.

The specification of these specific feeds does not preclude the need for other input and output feeds as may be necessary to ensure proper functionality of the audio system infrastructure.

r) Overall Audio Path Specifications

A comprehensive range of analogue and AES/EBU audio signal path specification tests will be conducted by SABC engineers during the commissioning and acceptance of each unit. The details of these tests will be made available and agreed to during engineering meetings.

Where analogue audio is present, the nominal operating level shall be 0dBu (0.775V r.m.s.).

2.10.6 Reference System

A reference generator shall be provided with at least the following signal outputs/facilities:

- LTC Timecode O/Ps;
- Word clock O/P;
- AES audio O/P (test tones);
- Redundant PSU

2.10.7 Control System

a) Control Panels

All remote and standalone control panels shall be properly installed in the operational work surfaces unless otherwise agreed or specified.

Where panels are specified or required to free stand on work surfaces, provision shall be made for stowage during transit. A typically acceptable solution is a removable panel revealing a 'stowage tub' built into the operator work surface.

b) Data Patch

An engineering 'Data Patch' accommodating many different signal types and connectors shall be provided in the Engineering Racks area. This patch shall include the following functionality (as may be applicable):-

- Provide 10/100 LAN (RJ45) connectivity between Configuration PC, Wireless HUB/SWITCH and all equipment configured via the LAN;
- Provide USB connectivity between the Configuration PC via a 'USB to Serial HUB' to all equipment configured via a serial port (should this be applicable);
- Provide connectivity between a GB Ethernet Switch (RJ-45) and all recording/storage devices supporting the transfer of file based media;
- Accommodate connectivity between dante compatible equipment;
- Connectivity to ad-hoc serial (RS-232/422) ports on certain items of equipment (for purposes of easy operational access);
- RJ-45 and 9D data ties as required (TBC)

2.10.8 Master Clock & Timecode System

A GPS based receiver with LTC O/Ps is required for the provision of accurate time code as follows:-

- To all system devices requiring a time code source;
- To a *LED Digital Time Display* studio clock displaying real time in digital and analogue formats.

2.10.9 IT Requirements

Laptop Computers

1 x Laptop computer is required for Engineering setup and configuration of the broadcast system components. Minimum features and specifications of this computer should approximate the following: -

- 15.6" Display, LED Backlit,
- AMD Ryzen 3 3250U Processor,
- 8GB DDR4 on board (upgradeable),
- 512GB M.2 NVMe PCIe 3.0 SSD (HDD housing),
- AMD Radeon Graphics,
- Webcam: 720p HD camera,
- Windows 10 Pro Operating system,
- Ports: 1x HDMI 1.4, 1x VGA Port (D-Sub), 1x 3.5mm Combo Audio Jack, 1x RJ45 LAN Jack, 1x DC-in, 1x USB 2.0 Type-A, 1x USB 3.2 Gen 2 Type-C, 2x USB 3.2 Gen 2 Type-A,
- Micro SD card reader.

The following accessories shall be supplied with the Laptop Computer: -

- Bluetooth OR Wireless optical mouse;
- 4GB Memory stick;
- Protective carry case.

GB Ethernet Media LAN

All equipment supporting the high speed transfer of media files shall be interconnected via a media LAN dedicated to this purpose.

2.10.10 Test Equipment

Audio

One standalone Audio Test and measurement set is required. Features of this test set shall include:-

- Analogue audio and AES/EBU digital audio inputs and outputs;
- Balanced (110 ohm) and unbalanced (75 ohm) AES/EBU I/Os;
- Generation of test signal for both AES/EBU and analogue units;
- Comprehensive measurement functions e.g. amplitude, crosstalk, 2 channel amplitude ratio, THD, Inter-modulation distortion, phase;
- Printing of graphs and reports;
- 19" rack mounted.

2.10.11 Miscellaneous Requirements

Provision for Scripts on Work Surfaces

Operator work surfaces shall where feasible make provision for the placement of A4 size script sheets. The audio mixer shall preferably be retrofitted with a moulded Perspex sliding script sheet holder that runs in provided or retrofitted guides.

- RAG Lights

RAG lights with a suitable RAG light controller shall be provided.

- Awning

Acrylic awning fitted on the entrance side (sliding door) of the van (Approx. 4m x3mx 2.5 LxWxH).

- Foldable trolley

Trolley to be used to carry loose equipment

2.10.12 Installation Standards

Mechanical

- In planning the layout of equipment racks (bays), due consideration shall be given to operational access and ventilation (i.e. 1RU spacing between equipment known to generate heat).
- All rack mounted equipment shall have adequate support all the way to the rear. **Custom angle support brackets which attach to the 'front' and 'intermediate' nut strip rails in the equipment racks shall be provided. These angle brackets are detachable and easily relocated.** Custom rack mounted trays or slider kits may be used for certain application where appropriate.
 - Cabling at the rear of equipment shall be of sufficient length so as to enable equipment to be pulled out of the front of the rack (bay) before unplugging.
- All equipment must be fixed into the equipment racks using decorative black/chrome (TBC) cheese head Philips screws and plastic cup washers.
- In the equipment racks, blank or filler panels of an appropriate colour (approved by the Corporation) shall be fitted to all spaces between equipment.
- Equipment racks shall be fitted with IEC power rails with an appropriate number of outlets and an earth bar (where required).
- Equipment racks, Control Panels, Audio Jackfields shall be fitted with identification numbers that are cross-referenced on the technical drawings, cable schedules etc.
- All custom control panels, rack-mounted housings and other custom units shall be appropriately labelled to identify such unit's functional description e.g. '**RAG Light Control Panel**'. Such descriptions shall be cross-referenced as such on the technical drawings, cable schedules etc.

Cable Identification

- All cables are to be uniquely identified with a letter and a number that is cross-referenced on the '*Cable Schedules*' (*Tab Sheets*), and the technical drawings e.g. **A101** (for Audio Cable number 101).

The Corporations preferred prefixes are:-

A- Analogue Audio

DA	-	Digital Audio
V-		Analogue Video
DV	-	SD Digital Video
HV	-	HD Digital Video
P-		Pulse
C-		Control
K-		Communications
T-		Timecode
AC	-	AC Power
DC	-	DC Power
N-		Network

Wrap around printed cable labels (e.g. Brady DAT-35-292-10 is preferred). Alternative cable identification systems may be used subject to approval by the Corporations engineers.

- In addition to the cable reference number, cables connected to equipment that is likely to be removed for maintenance (e.g. CD's, monitors etc.) shall include reference to such equipment and the connector to which the cable connects e.g. **CD2 Left I/P1**.

Cable Reticulation

- All cable runs shall follow designated routes and cables shall be grouped and tied at suitable intervals.
- In negotiating 90° bends, the minimum specified bending radius for each type of cable must be observed.
- Cables entering/exiting/installed OR negotiating an elbow in trunking, power skirting etc. shall be adequately protected from exposed and sharp metal edges by *aluminium tape*, plastic *grommet-strip* or a standard *rubber grommet* as may be appropriate.
- Where cable looms are sizeable, strain relief bars shall be used (i.e. rear of equipment in equipment racks) to ensure adequate strain relief for all connectors/connections.
- All cable looms to jack fields, and any other equipment on which maintenance may need to be done, shall be long enough to allow such equipment to be withdrawn forward for maintenance or modification.
- Trailing and exposed cable looms shall be covered with *black braided cable socks*.
- Power and Time code cable looms and runs must be kept separate from all other signal cables.

Termination of Cables

General principles to be followed when terminating cables shall include:

- The use of resin-core based solders only.
- The use of appropriately sized *heat-shrink* sleeving where the cable sheath is cut back to expose the screen and/or individual conductors.
- The use of appropriately sized *heat-shrink* sleeving OR *fabric sleeving* to isolate individually terminated conductors.

- The use of connectors with proper *strain-relief* clamping mechanisms where possible.
- The use of connectors with *retaining clips* or similar mechanisms to prevent accidental detachment from equipment.
- The use of 'manufacturer specified' crimping and other termination hardware ONLY.

Cables and Connectors

The following cables and connectors (or close equivalents) are preferred for installation purposes:-

- Analogue Audio

Cable type

Line level Audio (normal environment) NEK PSN
NEK 6738

Line level Audio (hostile environment) NEK PIN or similar
Microphone Feeds NEK PIN or similar

Screens are to be earthed at the jackfield only or in the absence of the jackfield, at the send end. Connectors will normally be XLR type or as specified for the equipment being connected. Impedances will be assumed to be 'low source and high load' and therefore terminating resistors will not be fitted unless requested.

- Digital Audio

Cable type

Balanced 110 ohm AES/EBU Belden 9180
Unbalance 75 ohm AES/EBU Image 360

- Control Cables

It is acknowledged that a wide variety of control cables and connectors are in use and that the applicable standards are often dictated by the manufacturers of equipment.

Where the selection of an appropriate control cable is applicable the following general rules shall apply. Flat ribbon cables shall be avoided. Control cables other than those carrying DC shall be screened (to limit EMR) and where possible connectors with metal covers are to be used. Connectors shall wherever possible use the most secure retaining option available e.g. Thumbscrews on 'D' type connectors.

- Power Cables

Appropriately rated power cables shall be selected for each application. For cable runs from the AC breaker panel to equipment bays (i.e. Cable tails) an appropriately screened or 3-core cable is to be used. For wiring inside racks and control desks between PDU's, strip rails and equipment appropriately rated PVC sheathed 3-core cable may be used.

Retaining clips shall be fitted to the input connectors of all pieces of equipment. When wiring IEC power connectors, care shall be taken to ensure that the earth connection wire is longer than both the live and neutral so that it disconnects last if the cable is wrenched out of the plug.

- RF Cables

RF Cables must be chosen in accordance with the equipment manufacturer recommendations, taking special care over connector impedances and termination details.

2.11 Generator Specifications and Uninterrupted Power Supply (UPS) Requirements.

Single Phase Diesel Generator

- 22kVA Standby, 230V, 1500 RPM
- 55 litre tank: 15 Hours runtime @ 75% load
- Built-in AVR delivers non fluctuating power
- Starter motor 3.5kW 12V Electric Starter
- 4-cylinder 4-stroke Powerful Diesel Engine
- Single Phase Output
- 20kVA Prime Silent Diesel Generator
- Low oil pressure system
- Low water cut out engine protection

2x 3kVa Smart-UPS online

APC Smart-UPS On-Line, 3kVA, Lithium-ion, Rackmount 3U, 230V, 6x C13+2x C19 IEC outlets, Network Card, Extended runtime, W/ rail kit High density, double-conversion on-line power protection with scalable runtime.

- Provides early-warning fault analysis on batteries enabling timely preventive maintenance (Battery failure notification)
- Operating mode that by-passes unused electrical components in good power conditions to achieve high operating efficiency without sacrificing protection (ECO Mode)
- Text and mimic diagrams that display modes of operation, system parameters and alarms (LCD graphics display)
- Protects the initial investment in the UPS when migrating from tower to rack-mount environment (Rack/Tower convertible).

Trailer

Single or double axle trailer with independent braking systems. A trailer that can fit 20KVA generator onto the trailer. The trailer must be accompanied with all ownership papers for licensing and a spare wheel.

The trailer must be of the highest standards and the generator mounted on a sturdy sheet metal base with bolts through the channels of the trailers frame to ensure stability. The generator's engine and alternator must be positioned low in the canopy to give a low centre of gravity.

Features:

- Single or double Axle
- Independent Breaking system on Double axle
- Roadworthy with paperwork
- Spare Wheel
- Jockey Wheel
- Stabilisers on Single Axle
- Distribution Board
- Electrical sockets

3 TENDER RESPONSE FORMAT

Vendors are requested to respond to the tender in the following formats:

3.1 Technical Response

A point-by-point response is required, i.e. a comment for each point or paragraph that is associated with the numbering should be made.

The response to technical requirements must state "Comply" or "Non-Comply." The vendor must further specify how the system/product meets or differs, for each aspect as stated below, including references or supporting information to clarify the response. A mere "Comply" or "Partially Comply" statement or no response, without detail shall be seen as "Non-Compliant" and will be scored as such.

3.2 Pricing Breakdown Model

- 3.2.1 All goods or services must be specified, broken down into individual elements on a Bill of Materials (BOM) and the pricing of each, specified on hard copy (paper copy) and in soft copy (Excel format).
- 3.2.2 Bidders must provide a detailed cost breakdown by pricing all items for the delivery of **a total solution** as per the specification. All deviations should be stipulated as options with the indicative unit prices.
- 3.2.3 Supplier must provide the product specifications of the product or service of the items priced.
- 3.2.4 Bidders must submit unit and total pricing in SA Rands (Excluding VAT), and where applicable, use the Foreign currency rate below to calculate the Rand value. Use Annexure B to indicate the total amount subject to exchange rate variation.

4 EVALUATION CRITERIA

Bidders should note that only bidders who met the **Technical requirement** of the bid shall be evaluated further for Functionality (where indicated), Price and B-BBEE.

Responses will be evaluated using a predetermined set of evaluation criteria. The evaluation criteria is designed to reflect the SABC's requirements in terms of identifying a suitable service provider and ensure the selection process is transparent and afford all the bidders a fair opportunity for evaluation and selection.

During the evaluation process, the SABC may require a bidder's representative to answer questions with regard to the proposal and/or require certain bidders to make a formal presentation to the evaluation team.

4.1 Functionality Evaluation

The evaluation is based on functionality, which will be evaluated using the following criteria and points:

- 4.1.1 The tender submission will be functionally evaluated out of a maximum of 80 Points.
- 4.1.2 Bidders who obtain less than **minimum threshold of 60 points out of a maximum 80 points** will be declared non-responsive and will be eliminated from further evaluation.

Evaluation Area	Evaluation Criteria	Min Points	Max points
Delivery, Installation	Clearly indicate the delivery lead time from supplier after placing of order: <ul style="list-style-type: none"> • 2 – 3 Months = 15 points • 4 – 5 Months = 10 points • More than 5 Months = 0 points 	10	15
Project Plan including Method Statement	Bidders are required to demonstrate their experience in the delivery of works aligned to this RFP document (Section E) by providing valid reference letters containing all the required information referenced for successfully completed projects. The Reference Letter must meet the following: Be on a client's business letterhead and must be signed with contactable and valid email address <ul style="list-style-type: none"> • Reference letters for 5 and above Successfully Completed projects = 10 points • Reference letters for 2- 3 Successfully Completed projects = 5 points • Below two reference letters = 0 points 	5	10
Maintenance support plan	Bidder to clearly indicate the maintenance and support plan for the following items: <ul style="list-style-type: none"> • Generator (2 -3 years' min) = 5 points • OB VAN Equipment (12 months) = 5 points Non-compliance with all of the above = 0 points	10	10
Warranty (upon commissioning) Bidder to provide warranty on workmanship and the corrective action that will be taken in the event of poor workmanship	Vehicle, generator and equipment: <ul style="list-style-type: none"> • warranty on commissioning = 10 points • Clearly specify the duration of the warranty: Standard warranty (Equipment 12 months, Generator 3 years and vehicle 5 years) with no financial implication = 5 points • Corrective action information on poor workmanship = 5 points 	30	35

	Standard warranty (Equipment 12 months, Generator 3 years and vehicle 5 years) with financial implication= 0 points <ul style="list-style-type: none"> Extended warranty (Equipment, vehicle & Generator) with no financial implication to the SABC, plus corrective action information = 10 points Extended warranty (Equipment, vehicle & Generator)with financial implication to the SABC, plus corrective action information = 5 points 		
Training	Bidder to provide details of the training plan offered on the OB VAN and the financial implications to the SABC <ul style="list-style-type: none"> Training with no financial implication = 10 points Training with financial implication = 5 points (All documentation such as wiring diagrams, manuals and SOPs' to be provided after the bidder is appointed)	5	10
Total		60	80

4.2 BBBEE and Price

The bid responses will be evaluated on the 80/20 point system. Bidders are to provide detailed breakdown of all direct and indirect costs associated with the contract, including licence fees if any.

4.3 Objective Criteria

4.3.1 The SABC reserve the right not to consider proposals from bidders who are currently in litigation with the SABC.

4.4.2 The SABC further reserve the right not to award this tender to any bidder based on the proven poor record of accomplishment of the bidder in previous projects within the SABC.

4.4.3 Bidders who are blacklisted or have committed other acts of fraud and misrepresentation of facts e.g. tax compliance, BBBEE, company financials, etc. will be eliminated from the bid process.

END OF DOCUMENT E



DOCUMENT F

CONFIDENTIALITY

All information related to this bid both during and after completion is to be treated with strict confidence. Should the need however arise to divulge any information gleaned from the service which is either directly or indirectly related to the SABC, written approval to divulge such information will have to be obtained from SABC.

The bidders must ensure that confidential information is: maintained confidential; not disclosed to or used by any unauthorised person; so as to prevent any disclosure or unauthorised use with at least the standard of care that bidders maintain to protect their own confidential information; only used for the purpose of considering and responding to this RFP; and not reproduced in any form except as required for the purpose of considering and responding to this bid. Bidders must ensure that: access to confidential information is only given to those of its partners, officers, employees and advisers who require access for the purpose of considering and responding to this RFP; and those partners, officers, employee and advisers are informed of the confidential information section and keep that information confidential. This bid remains at all times the property of the SABC. No rights other than as provided in this bid and in respect of the confidential information are granted or conveyed to bidder/s

NAME OF BIDDER: _____

PHYSICAL ADDRESS: _____

Bidder's contact person:

Name : _____

Telephone : _____

Mobile : _____

Fax.: _____

E-mail address : _____

END OF DOCUMENT F



**DOCUMENT G
SBD 6.1**

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

1.0 GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

- the **80/20** system for requirements with a Rand value above R30 000 (all applicable taxes included).

1.2 The value of this bid is estimated to exceed R30 000 (all applicable taxes included) and therefore the.....**80/20**.....system shall be applicable.

1.3 Preference points for this bid shall be awarded for:

- (a) Price; and
- (b) Specific Goals-BBEE Status Level of Contribution.

1.3.1 The maximum points for this bid are allocated as follows:

	POINTS
1.3.1.1 PRICE	80
1.3.1.2 Specific Goals-BBEE STATUS LEVEL OF CONTRIBUTION	20
Total points for Price and specific goals must not exceed	100

1.4 Failure on the part of a bidder to fill in and/or to sign this form and submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS) together with the bid, will be



interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.5 The SABC reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the SABC.

2.0 DEFINITIONS

2.1 “**all applicable taxes**” includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;

2.2 “**B-BBEE**” means broad-based black economic empowerment as defined in section 1 of the Broad -Based Black Economic Empowerment Act;

2.3 “**B-BBEE status level of contributor**” means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;

2.4 “**bid**” means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of services, works or goods, through price quotations, advertised competitive bidding processes or proposals;

2.5 “**Broad-Based Black Economic Empowerment Act**” means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);

2.6 “**comparative price**” means the price after the factors of a non-firm price and all unconditional discounts that can be utilized have been taken into consideration;

2.7 “**consortium or joint venture**” means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract;

2.8 “**contract**” means the agreement that results from the acceptance of a bid by an organ of state;

2.9 “**EME**” means any enterprise with an annual total revenue of R10 million or less as per the Amended Codes of Good Practice (COGP).



- 2.10 “**Firm price**” means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- 2.11 “**functionality**” means the measurement according to predetermined norms, as set out in the bid documents, of a service or commodity that is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a bidder;
- 2.12 “**non-firm prices**” means all prices other than “firm” prices;
- 2.13 “**person**” includes a juristic person;
- 2.14 “**rand value**” means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties;
- 2.15 “**sub-contract**” means the primary contractor’s assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract;
- 2.16 “**total revenue**” bears the same meaning assigned to this expression in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- 2.17 “**trust**” means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person; and
- 2.18 “**trustee**” means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.

3.0 ADJUDICATION USING A POINT SYSTEM

- 3.1 The bidder obtaining the highest number of total points will be awarded the contract.



- 3.2 Preference points shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts;
- 3.3 Points scored must be rounded off to the nearest 2 decimal places.
- 3.4 In the event that two or more bids have scored equal total points, the successful bid must be the one scoring the highest number of preference points for B-BBEE.
- 3.5 However, when functionality is part of the evaluation process and two or more bids have scored equal points including equal preference points for B-BBEE, the successful bid must be the one scoring the highest score for functionality.
- 3.6 Should two or more bids be equal in all respects, the award shall be decided by the drawing of lots.

4.0 AWARDED FOR PRICE

4.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$\begin{matrix}
 \mathbf{80/20} & & \mathbf{or} & & \mathbf{90/10} \\
 \\
 P_s = 80 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right) & & \mathbf{or} & & P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)
 \end{matrix}$$

Where

Ps = Points scored for comparative price of bid under consideration

Pt = Comparative price of bid under consideration

Pmin = Comparative price of lowest acceptable bid

5.0 Points awarded for B-BBEE Status Level of Contribution

15.1 In terms of Regulation 5 (2) and 6 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20



2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

6.0 BID DECLARATION

6.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

7.0 B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.3.1.2 AND 5.1

7.1 B-BBEE Status Level of Contribution:..... =(maximum of 10 or 20 points)
 (Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE affidavit or certificate issued by a Verification Agency accredited by SANAS.

8.0 SUB-CONTRACTING

8.1 Will any portion of the contract be sub-contracted? YES / NO (delete which is not applicable)

8.1.1 If yes, indicate:

(i) What percentage of the contract will be subcontracted?
%

(ii) The name of the sub-contractor?

(iii) The B-BBEE status level of the sub-contractor?



(iv) Whether the sub-contractor is an EME? YES / NO (delete which is not applicable)

9.0 DECLARATION WITH REGARD TO COMPANY/FIRM

9.1 Name of company/firm:

.....

9.2 VAT registration number:

.....

9.3 Company registration number

.....

9.4 Type Of Company/ Firm

- Partnership/Joint Venture / Consortium
- One person business/sole propriety
- Close corporation
- Company
- (Pty) Limited

[TICK APPLICABLE BOX]

9.5 Describe Principal Business Activities

.....

.....

.....

.....



9.6 Company Classification

- Manufacturer
 - Supplier
 - Professional service provider
 - Other service providers, e.g. transporter, etc.
- [TICK APPLICABLE BOX]

9.7 Total number of years the company/firm has been in business?
.....

9.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraph 7 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- (i) The information furnished is true and correct;
- (ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form.
- (iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 7, the contractor may be required to furnish documentary proof to the satisfaction of the SABC that the claims are correct;
- (iv) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the SABC may, in addition to any other remedy it may have;
 - (a) disqualify the person from the bidding process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution



WITNESSES:

1.

.....

BIDDER(S)

SIGNATURE(S)	OF
--------------	----

2.

DATE:

ADDRESS:

.....

.....

.....

.....

END OF DOCUMENT G



DOCUMENT H
SBD 8

DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

- 1.0** This Standard Bidding Document must form part of all bids invited.
- 2.0** It serves as a declaration to be used by institutions in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3.0** The bid of any bidder may be disregarded if that bidder, or any of its directors have-
- a. abused the institution's supply chain management system;
 - b. committed fraud or any other improper conduct in relation to such system;
 - or
 - c. failed to perform on any previous contract.
- 4.0** In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

Item	Question	Yes	No
4.1	<p>Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector? (Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied).</p> <p>The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) and can be accessed by clicking on its link at the bottom of the home page.</p>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.1.1	If so, furnish particulars:		



4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? Register for Tender Defaulters can be accessed on the National Treasury’s website (www.treasury.gov.za) by clicking on its link at the bottom of the home page.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4	Was any contract between the bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4.4.1	If so, furnish particulars:		

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME).....
CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION FORM IS TRUE AND CORRECT.

I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT, ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

END OF DOCUMENT H



DOCUMENT I

SBD 9

CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1.0 This Standard Bidding Document (SBD) must form part of all bids¹ invited.
- 2.0 Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
- 3.0 Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
 - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
- 4.0 This SBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
- 5.0 In order to give effect to the above, the attached Certificate of Bid Determination (SBD 9) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for SABCs who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.



CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid **RFP/RBF/2022/50**

in response to the invitation for the bid made by: **South African Broadcasting Corporation SOC Limited “SABC”**

do hereby make the following statements that I certify to be true and complete in every respect:

I _____ certify, _____ on _____ behalf _____ of:
_____ that:
(Name of Bidder)

1. I have read and I understand the contents of this Certificate;
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder;
5. For the purposes of this Certificate and the accompanying bid, I understand that the word “competitor” shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
 - (a) prices;



- (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

³ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

.....

Signature

.....

Date

.....

Position

.....

Name of Bidder

END OF DOCUMENT I



DOCUMENT J

ACCEPTANCE OF CONDITIONS OF BID

By signing the BID document, the Bidder is deemed to acknowledge and accept that all the conditions governing this BID, including those contained in any printed form stated to form part thereof and SABC Limited will recognize no claim for relief based on an allegation that the Bidder overlooked any such condition or failed properly to take it into account for the purpose of calculating bided prices or otherwise.

SIGNED at _____ this _____ day
of _____ 2022

NAME OF COMPANY _____

NAME OF THE SIGNATORY (IES) _____

CAPACITY: _____

Are you authorised to sign on behalf of the company (YES/NO) _____

WITNESSES:

1. _____

2. _____

BIDDER

END OF DOCUMENT J

END OF THE REQUEST FOR PROPOSAL DOCUMENT



GUIDELINE FOR BRIEFING SESSION

Applicable where Briefing Sessions are not compulsory or mandatory:

Due to the Covid-19 pandemic, and in compliance with National Treasury Instruction Note 5, institutions are advised as far as possible to avoid convening briefing sessions. Therefore a briefing session **WILL NOT BE SCHEDULED** in cases where it is avoidable and the following will apply:

- Bidders are requested to submit their queries related to the bid via email
- Bidders must send their queries to the Bid Office via the email tenderqueries@sabc.co.za
- It is recommended that queries be submitted at least within 10 days after the tender has been advertised on the National Treasury E-Tender Portal and the SABC Website.
- The Bid Office will forward the queries to the Bid Specification Team for relevant response(s).
- All queries and responses will be consolidated into a schedule of questions and answers and published on all the platforms that were utilized to advertise the tender within 5 days after the query deadline.

Applicable where Briefing Sessions are unavoidable:

Where a briefing session cannot be avoided and, to the extent permitted by the Disaster Management Act (DMA) Regulations, the following will apply:

- The briefing session meeting will be arranged by means of an online session using the Microsoft TEAMS or similar enablers, the date and time of which will be published on the E-Tender Portal and SABC Website.
- Bidders who have access to Microsoft Teams or similar enablers are kindly requested to advise of their interest to participate in the online briefing session by sending an email to tenderqueries@sabc.co.za 3 days before the briefing session so as to be invited.
- On the date and time of the briefing session, bidders will be invited via Microsoft Teams or similar enablers to attend the online briefing session meeting.
- Bidders who are unable to connect via Microsoft TEAMS or similar enablers are requested to submit their queries related to the bid via email. The aforementioned process will follow
- Site Inspection will not be made compulsory however the bidders should be advised that non-attendance of such will be to their disadvantage. Should the need arise for a site inspection to be part of a briefing session, the following will apply:
 - SABC seeks to apply stringent precautionary measures to ensure maximum adherence to COVID-19 protocols and ensure a safe work environment by enforcing social distancing in the workplace. Only a **maximum number of 15 people per session** will be permitted to attend the briefing session at a time. The SCM Practitioner will arrange multiple sessions to accommodate only the

allowed maximum number. The first come first rule will apply. If the first session is full, Bidders will attend the next session.

- The dates and times of the briefing sessions will be advertised on the National Treasury E-Tender Portal and the SABC Website.
- Bidders are required to confirm attendance at least one day in advance of session date using the email tenderqueries@sabc.co.za.
- Bidders must wear masks and practise social and physical distancing at all times.
- Bidders must comply with SABC COVID 19 screening process. Should the bidder's entry be denied due to high temperature or related COVID 19 restriction, such bidder's attendance should be acknowledged, and alternative Site Inspection be arranged if needed for a different representative from the same company.
- All queries and responses from the various briefings sessions will be consolidated into a schedule of questions and answers and communicated to all Bidders who have attended the compulsory briefing sessions.