



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

**REQUEST FOR PROPOSAL (RFP)**

**RFP NUMBER: RFP/RAD/2025/10243661/4**

**RFP TITLE: APPOINTMENT OF A SERVICE PROVIDER FOR THE HYBRID VAN REPLACEMENT.**

**EXPECTED TIMEFRAME**

<b>BID PROCESS</b>	<b>EXPECTED DATES</b>
Bid <b>Advertisement Date</b>	21 February 2025
Bid Documents Available From	National Treasury’s tender portal ( <a href="http://www.etenders.gov.za">http://www.etenders.gov.za</a> ) SABC Website ( <a href="http://www.sabc.co.za/sabc/tenders/">http://www.sabc.co.za/sabc/tenders/</a> )
Non-Compulsory Briefing Session Date & Time	Date: 03 March 2025 Time: 10:00 AM to 11:00 AM
Venue / Link for virtual Briefing Session	<a href="#">Join the meeting now</a> Meeting ID: 342 271 452 118 Passcode: xu9yC9hu
Bid <b>Closing Date</b> and Time	28 March 2025 @ 12:00 noon
Contact details	<a href="mailto:tenderqueries@sabc.co.za">tenderqueries@sabc.co.za</a>

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

**BIDS DELIVERY**

All electronic bid submissions must be submitted using [RFPSubmissions@sabc.co.za](mailto:RFPSubmissions@sabc.co.za). Refer to Document A for Conditions to be observed when bidding. Late Bid submissions will not be accepted for consideration by the SABC.

1. REQUIRED MANDATORY DOCUMENTS- FIRST PHASE

N/A

2. REQUIRED DOCUMENTS

- 2.1 SARS "Pin" to validate supplier's tax matters
- 2.2 Original or Certified copy of Valid BBBEE Certificate (from SANAS accredited Verification Agency)
- 2.3 All EME's and 51% black Owned QSE's are only required to obtain a **sworn affidavit** on an annual basis, confirming the following.
  - 3.3.1. Annual Total Revenue of R10 Million or less (EME) or Revenue between R10 Million and R50 Million for QSE
  - 3.3.2. Level of Black Ownership

**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 license. Verification will also be done by the SABC internally.
- 2.5 Certified copy of Company Registration Document that reflects Company Name, Registration number, date of registration and active Directors or Members.
- 2.6 Certified copy of Shareholders' certificates.
- 2.7 Certified copy of ID documents of the Directors or Members.
- 2.8 Last three years audited/reviewed financial statements OR the Companies Management Accounts.
- 2.9 The bidder to submit Proof of registration on the Central Supplier Database (CSD)

**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.**

## **C O N T E N T S**

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

## 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 Electronic submission:

Bids submitted electronically must adhere to the following:

- The single point of entry is [tenderqueries@sabc.co.za](mailto:tenderqueries@sabc.co.za).
- Electronic submissions must be submitted in a PDF format that is protected from any modifications, deletions or additions.
- 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.
- Bidders are advised to email electronic submissions at least 60 minutes before the bid closing time to cater for any possible delay in transmission or receipt of the bid. The onus is on bidder to ensure that the bid is submitted on time via email
- 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:

- contact any Bidder during the evaluation process, 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 at any time on the following conditions:
  - i) Change in business requirements of the Corporation.
  - ii) Budget unavailability
  - iii) Identified tender irregularity.
  - iv) Non- responsive bids

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](mailto:tenderqueries@sabc.co.za)

**14.0 BROAD-BASED ECONOMIC EMPOWERMENT**

- 14.1 According to the 2013 B-BBEE Revised Code 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.



A bidder will not be disqualified if they do not submit evidence to claim a specific goal, but rather they will score zero for specific goal/s if they did not provide evidence supporting the awarding of the points.

## **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.

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/repared 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 60 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 will 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 WILL RESULT IN THE BID BEING DISQUALIFIED.**

**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 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, shareholder<sup>2</sup>):

.....

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.

<sup>1</sup> "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.



<sup>2</sup> "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 **YES / NO**  
presently employed by the state?

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 attach 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 / **YES /NO**  
trustees / shareholders / members or their spouses conduct  
business with the state in the previous twelve months?

2.8.1 If so, furnish particulars:

.....

.....

.....

.....

2.9 Do you, or any person connected with the bidder, have **YES / NO**  
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?

2.9.1 If so, furnish particulars.

.....

.....

.....

2.10 Are you, or any person connected with the bidder, **YES/NO**  
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?

2.10.1 If so, furnish particulars.

.....

.....

.....

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

2.11.1 If so, furnish particulars:

.....

.....

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

Full Name	Identity Number	Personal Tax Reference Number	State Employee Number / Pers. Number

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**

#### **APPOINTMENT OF A SERVICE PROVIDER FOR THE HYBRID VAN REPLACEMENT.**

## **1 INTRODUCTION AND BACKGROUND**

Hybrid vans are used in the Regions by stations for connectivity, news, streaming and SABC sports. Stations regularly organise various types of live broadcast and promotional activities in rural areas and other towns in their area of broadcast coverage. Many of the rural areas with loyal audiences are based in areas without resources such as electricity supply and broadcast connectivity infrastructure (Network coverage).

It is necessary for the SABC to have the right resources when visiting these areas. In this case, the main resource includes a hybrid Van that is self-powered to be able to provide connectivity. Therefore, an all-in-one vehicle is required as a solution to achieve these requirements. Additionally, due to the lack of electrical power infrastructure in the province where most of these broadcasts are conducted, a suitable power generator to power the related equipment.

SABC platforms need to remain competitive on quality of signal and reliability of equipment. An interruption of signal in the Outside Broadcast (OB) compromises the SABC revenue generation, listenership, brand, and sponsorships. These regional offices should be able to support huge events independently, effectively, and efficiently. This proposed solution will ensure that the hybrid vans are modified to be used for multifunction's (Radio & TV)

To this end, an RFP for the appointment of a service provider for the Hybrid Van Replacement.

## **2 SCOPE OF WORK**

The appointed service provider will be required to provide the following:

- Deliver accurate broadcast data on all booked spots including but not limited to design layout and configuration of hybrid Van: integrated with other peripherals e.g. speakers, microphones, hybrid system, air conditioner, bonding router, cameras etc.
- 4x2 panel van Vehicle, to install all the equipment and make hybrid van.
- Latest IP workflows which is Modern way of sending high quality Video and audio over network.
- Remote broadcast allowing SABC TV and Radio to take advantage of available Hybrid Vans in the regions to deliver Highest quality picture over Internet.
- Bonded LTE & Satellite to deliver Video over IP, NDI and SRT low latency streams for SABC TV Sport and SABC TV News.
- Hybrid Van to be able to send up to 4 streams of independent video that can be mixed and manipulated in JHB without the production crew traveling to the OB point.
- To be used by radio stations for live streams and broadcast from areas where there's no connectivity as it bonds satellite and LTE.
- Position generator to improve air flow or consult the agent about a domestic blower to suck fresh air in and out.
- Solenoid to enable aux battery and inverter to function properly.
- Training: Operation and technical training.

### **3. SPECIFIC REQUIREMENTS**

#### **3.1. Vehicle Requirements (Provide brochure)**

- a. Vehicle must be fully compliant with all road regulations for South Africa. Regulation for rear axle loading to determine dual wheel requirement.
- b. White in colour.
- c. Axle loading Dependent on Weight with at least 10% leeway.
- d. With a rear Lift up door.
- e. Sliding doors located on both kerb sides with integral step.
- f. Sliding glass windows to be fitted between cab and load area.
- g. Air-conditioned Cab to be fitted with vehicle alarm system and radio.
- h. A built-in radio and GPS system is required.
- i. A tachometer should be fitted.
- j. A factory-approved tow bar should be fitted.
- k. Automatic cab windows
- l. Dimensions (satisfactory length around)
  - Height: 1810-2170 mm
  - Length: 5290-5400 mm
  - Ground clearance: = > 202 mm
- m. Overall Specification
  - Type: Multi-Purpose Vehicle (MPV)
  - Variant: Panel Van
  - Power Maximum Total: >= 100KW
  - Transmission: Automatic
  - Fuel: Diesel
  - Controls Navigation: Satellite based Navigation

#### **3.2 Vehicle modifications**

- a. Various modifications will be required including reinforcement of roof to accommodate satellite dish mounting.
- b. A secondary battery should be fitted coupled to the vehicle's charging system through a manufacturer approved installation.
- c. Bidder **must**, consult with and obtain approval from, the vehicle manufacturer, before undertaking any modifications that may affect vehicle warrantee.
- d. Damage to vehicle systems including wiring loom and fuel systems (and leading to loss of warranty) will be for tenderer's account.

#### **3.3 Satellite Antenna Requirements – Raysat ER7000 antenna or equivalent. (Provide brochure)**

- a. Antenna Size L x W x H
  - 51.7 x 55.1 x 11.7 in 131.2 x 139.9 x 29.8 cm
- b. Antenna Weight
  - =< 59 kg
- c. Electrical
  - Frequency Band: Rx: 10.95-12.75 GHz \* Tx: 13.75-14.5 GHz \*
  - Polarization: Linear
  - Tx Gain: (Typical): 36 dBi
  - G/T (Typical): 13 dB/K @ 12.2-12.75 GHz 11.8 dB/K @ 10.95-12.2 GHz
  - Uplink EIRP: 55 dBW (100W BUC)
  - Cross Pol (Typical): 25 dB
  - RF Input (Tx): 13.75-14.5 GHz

- IF Output (Rx): 950-2150 MHz
- Power Consumption: 150 W Antenna Performance
- Elevation Angle: 0° - 90° (automatic tracking up to 80°)
- Tracking Rate: 150°/s
- d. Electrical Interfaces
  - Tx Input: WR75
  - Rx Output: TNC Female
- e. Environmental
  - Temperature Range -40° to + 131°F (-40° to +55°C)
  - Relative Humidity Up to 95%
- f. BUC
  - Type of BUC 100W or better.
- g. This must be weatherproof dish fully compliant and approved for receiving and transmitting on Ku-band frequencies by INTELSAT and EUTELSAT.
- h. It must be purpose made and designed for vehicle mounting.
- i. The installation on the roof must be neat and incorporate a corrosion-protected roof support framework.
- j. The roof must be properly waterproofed.
- k. Quick auto acquisition, tracking and reacquisition.

### **3.4 Silent Outdoor Mobile Generator on a trailer (Provide brochure)**

- a. 5kW Air-cooled diesel-powered unit built on a trailer.
- b. Fuel gauge must be included.
- c. The unit must include Anti-vibration mounts to quieten transmitted sound.
- d. The generator must have at least 2 (two) 16 AMP sockets.
- e. Single axle trailer **(Provide brochure)**.
- f. Single Axle Chassis Trailer =<750kg GVM.
- g. Thick Open Channel A-frame and Chassis with 3 x Cross Beams.
- h. No Floor, Wheels on the Outside of the Trailer.
- i. Jockey Wheel in the Front.
- j. Chevron at the Back.
- k. LED Lights
- l. Trailer ground clearance: = > 202 mm
- m. The trailer must come with a spare wheel and license.

### **3.5 Air conditioner (Provide brochure).**

- a. 1-Under-bench air conditioner, 1-Remote control, 1-Temperature sensor, 1-IR receiver, 1-Installation kit
- b. **Dimensions**
  - Depth :628mm
  - Height: 286mm
  - Width: 400mm
  - Net weight: 21kg
- c. **Electrical**
  - Input voltage (AC): 220-240V
  - Input frequency: 50/60 Hz
  - Required AC circuit protection max: 10Amps
- d. **Performance**
  - Cooling capacity (ISO 5151), 2000W
  - Heating capacity (ISO 5151), 2500W
- e. This unit should be of the split-unit type and the compressor mounted in a compartment within the vehicle.

- f. The compartment should prevent rainwater or dust from entering the interior of the vehicle.
- g. The air-handling unit should be located within the vehicle and located such that the emphasis of air distribution is placed primarily on equipment cooling (with cabin cooling secondary).

### 3.6 Equipment Racks

- a. Industry standard 800mm 19inch racks with Nut strips front and rear should be offered with provision for intermediate strips and lacing bars etc.
- b. These should be customised to maximise rack space across the width of the vehicle.

### 3.7 Lighting

- a. External roof-mounted LED type lights are to be fitted either side of the vehicle.
- b. Internal LED lights sufficient for the operational area and rear compartment must be offered.

### 3.8 Uninterrupted Power Supply (Provide brochure).

#### 3.8.1 24V 5kw Inverter/Charger (Vitron 24/5000/120 MultiPlus 24/5000/120 or equivalent)

##### a) Inverter Main attributes:

- Nominal Battery Voltage: 24V
- PowerControl:
- PowerAssit
- AC input Voltage range 220V-250V @ 50Hz
- Dual Output voltage 230V AC (i.e. **AC-Loads & Critical Loads**)
- Transfer Switch 80A-120A
- AC Auxiliary output (comply)

##### b) Inverter Features

- DC Input voltage range(V): 19-33V
- AC Output (V): 230 VAC  $\pm$  2% @ 50Hz  $\pm$  0.1%
- Continuous Power @ 25°C: 5000 VA/W
- Continuous Power @ 40°C: 3700 W
- Continuous Power @ 65°C: 3000 W
- Max apparent feed power: 5000 VA
- Peak Power: 9000 W

##### c) Charging Features

- AC Input: 187-265 VAC @ 45-65 Hz
- Charge voltage absorption: 28.8V
- Charge voltage float: 27.6
- Storage mode: 26.4
- Max battery charge: 26.4V
- Max battery charge current: 120A
- Battery Temperature sensor

##### d) Inverter Configuration Features

- Auxiliary out (AC)
- External AC current sensor

- Programmable relay
  - VEBus Communication port
  - GPIO ports
  - Remote on-off
- e) Inverter Control features
- Remote control
  - Configuration control
  - IoT monitoring (android, ios etc)
- f) Inverter Safety and enclosing
- Enclosing: durable enclosing (i.e. IP 21 safety standard)
  - Battery-connection: road travel safety (i.e. M6-M8 bots or equivalent)
  - AC connection: industry standard (i.e. ECSA, SAIEE, etc regulations)

### **3.8.2 Two Batteries (Provide brochure).**

- The PYLON Battery UP2500 Lithium-Ion battery or equivalent.
- Weight: +- 27.5Kg
- Rack Mount: 44.2 × 42 × 11.9 cm
- Cycles: 6000 or more.
- Battery Volt: 25.6
- Warranty 5 Years or more.
- A remote on/off facility should be included, and remote battery condition monitoring panel should be offered.
- Local support is required.

### **3.9 Provision for Mains Power**

- a. A 20 Amp CEE-form connector is required to be fitted.
- b. A suitably rated mains cable of 30m length must be included.
- c. An 5kVA isolating transformer must be provided.
- d. A suitable mechanical changeover switch box should be provided.
- e. An Earth bar with removable straps between vehicle chassis, supply earth, technical earth and a grounding earth shall be provided.

### **3.10 Vehicle Entry Panel**

- a. A panel should be mounted at the back of the vehicle for the termination of all cables (including Fibre optic) attached to the vehicle. Cables will be routed through a suitable flap to the outside.

### **3.11 Additional Equipment**

- a. Side panels should be acoustically absorbent with carpeting over lightweight wooden panelling (provide pictures).
- b. All holes or entry points in the roof and elsewhere should be meticulously waterproofed and dustproofed. Care should be exercised in the placement of holes to avoid ingress of dirt and dust.
- c. No external windows are required; however, a sliding window is required between the cab and the operational area.



- d. All electrical power cabling should be fully compliant with relevant local regulations, with suitable earth-leakage protection and safety features.
- e. Installation must follow the best of practice. Labelling and drawing conventions must comply with the SABC standards obtainable from SABC drawing office.
- f. Technical furniture in the form of a built-in work surface needs to be fitted in front of the equipment racks.
- g. Two (2) ergonomic chairs to be provided.

#### **4. TECHNICAL EQUIPMENT SPECIFICATIONS:**

##### **4.1 Cameras (Provide brochure).**

###### **4.1.1 1 x PTZ Camera with Ndi + Mount Accessories: Boxed PTZ (BirdDog PF120 or equivalent)**

- Image Sensor
- SONY Exmor R CMOS sensors
- 1 / 2.86-inch CMOS 2.13MP
- Lens 5.2-104mm
- Optical Zoom 20x
- Digital Zoom 16x
- Field of view 55.8° (W)~3.2° (T)
- Aperture F1.5 (W) – F3.0 (T)
- Min. Illumination Color: 0.5 lux
- Shutter speed 1/1 – 1/10000s.
- Filter ring filter 49 mm
- Focus Auto, Push, Manual
- White Balance Auto, Indoor, Outdoor, Manual, OPW, ATW
- Exposure Auto, Manual, Shutter/Iris Priority
- Backlight Compensation - Yes
- Mechanical Tally - Front
- Mount 1/4-20" Tripod mount, 3/8" Tripod mount.
- Preset Positions - 128
- Preset Speed - 0 – 5 Level adjustable
- Environmental Indoor
- Operating Temperature -10 – +50 (°C)
- Operating Humidity ≤80%
- Noise At Max Movement Velocity (Zoom) - Max 41dB at full speed zoom NC35
- Video Output - NDI/HDMI/USB2.0
- Video Formats: **1080p** 60, 59.94, 50, 29.97, 25: **1080i** 60, 59.94, 50: **720p** 60, 59.94, 50
- HDMI Colour Space - YCbCr 4:2:2 12bit
- Audio I/O: 3.5mm Audio In (Stereo), 3.5mm Audio Out (Stereo), (NDI, and HDMI only)
- Video Compression - Full NDI high quality low latency NDI for production, USB UVC protocol
- IP Control Protocol - NDI (auto configuring), VISCA
- Serial Control Protocol - RS232 (VISCA / Pelco D/P)
- Network Interface – LAN, RJ45X1(1000Mb), NDI/IP video streaming, System upgrade, PoE (802.3af)
- Web Control Interface - Full control via Web/Mobile UI including Scene presets.
- Power Input 12V DC, PoE (IEEE 802.3af)
- Max Power Draw - 9W
- Dimensions - 158x60x71mm
- Weight: 666g (1lb 7.4oz)
- Packaging: 247x225x81mm

###### **4.1.2 2 x PTZ Camera (BirdDog P240 or equivalent)**

- Resolution: Up to 1080p50, 1080i50

- Zoom: Optical 40X when running in native scan mode.
- Image stabilizer and true WDR 130dB
- Video Output: Simultaneous NDI®, HDMI, 3G-SDI.
- Tally Display: Bi-colour, full overhead and rear with included 0-9 silicon number plugs.
- Onboard OLED Display: 5-line, RGB color.
- ±350-degree continuous pan, ±120-degree continuous tilt
- 128 presets, Speed up to 150 degrees/sec
- Standard mounting and ceiling mounting with E-Flip function
- Control supports NDI® Control, RS-232 control, RS-422/485 control, VISCA-over-IP, IR Remote Controller
- Presets store camera directions and image parameters. (Up to 6 presets on remote controller or 128 presets via protocol programming)
- Image parameter setting restore with presets and quick access operation.
- Analogue Audio I/O: (NOTE A suitable breakout cable is required for using balanced audio. The following 3rd party Atomos
- Breakout cables are compatible: ATOMCAM016 (input and output) and ATOMCAM017 (input only).
  - IN: Balanced XLR (via breakout cable) with 48V Phantom power, Unbalanced 3.5mm TRS stereo.
  - OUT: Balanced XLR (via breakout cable), Unbalanced 3.5mm TRS stereo.
- Power: DC 12V, PoE+(IEEE802.3at)
- Image Sensor: 1 / 2.5-inch CMOS 8.5MP
- Lens 4.4-88.4mm
- Optical zoom up to 40x \*
- SRZ (Super Resolution Zoom) 40x in Full HD
- Horizontal angle of view 70.2° (W) – 4.1° (T)
- Aperture F2.0 (W) – F3.8 (T)
- Min. Illumination Color: 0.4lux (1/30s, 50%, High Sensitivity mode on), 1.6lux (1/30s, 50%, High Sensitivity mode Off), 0.06lux(1/4s(1/3s),50%, High Sensitivity mode on)
- Shutter speed 1/1 – 1/10000s.
- Visibility enhancer, Black & White, E-Flip, Mirror, Colour enhancement, Black level, gamma, Colour/Hue Adjust, HLC, Colour Bar
- Image Stabilizer - Yes
- Color Gain - Yes (15 steps)
- Color Hue - Yes (15 steps)
- GAMMA Standard, Straight, 512 pattern.
- GAMMA Level - Yes (15 steps)
- BLACK LEVEL - Yes (97 step) – Flicker Cancel: Yes
- Noise Reduction - On/Off (level 5 to 1/Off, 6 steps), 2D/3D
- S/N RATIO - ≥50db
- Focus - Auto Focus (Trigger/Interval), Manual Focus (Variable Speed), One Push Trigger, Near Limit
- White Balance - Auto, ATW, Indoor, Outdoor, One Push WB, Manual WB, Outdoor Auto, Sodium Vapor Lamp (Fix/Auto/Outdoor Auto)
- Exposure - Full Auto, Gain, Gain Limit, Shutter Priority, Iris Priority, Manual, Bright, Slow Shutter, Max/Min Shutter Limit, Slow AE
- Backlight Compensation – Yes \*(When running in native scan mode)
- Pan Movement - Horizontal: ±175° (Zoom Adaptive Speed Range: 0.05° ~ 100°/S)
- Tilt Movement - Vertical: +90° to -30° (Zoom Adaptive Speed Range: 0.05° ~ 50°/s)
- Preset Positions - 128 (Speed Adjustable: Up To 150°/S)
- Environmental- Indoor
- Operating Temperature -10 – +40 (°C)
- Operating Humidity ≤80%

- Tally display bi colour full overhead and rear (w/included 0-9 number silicon plugs)
- Onboard Oled Display 5-line, RGB Color, Graphical
- Video Output - NDI/HDMI/3G-SDI
- HD video formats - **1080p** 59.94, 50, 29.97, 25, 23.97: **1080i** 59.94, 50; **720p** 59.94, 50
- HDMI colour space: YCbCr, 4:2:2 12bit
- SDI colour space: YCbCr, 4:2:2 10bit
- Analogue audio I/O
  - IN: balanced XLR (via breakout cable) with 48V Phantom power, unbalanced 3.5mm TRS (stereo)
  - OUT: balanced XLR (via breakout cable), unbalanced 3.5mm TRS (stereo)
- Audio Output: Embedded with main HDMI, 24bit, Embedded with SDI, 24bit, Embedded with NDI.

#### **4.1.3PTZ Keyboard/Controller**

- Wide protocol support: NDI®, VISCA, PELCO D/P, VISCA over IP.
- Cross protocol mix-control with RS232/RS422 and IP.
- Quick access of key camera functions.
- High quality 6-way joystick control.
- Independent wide-range dual power input: 12V DC, PoE.
- Control Input/Output, LAN: RJ45 x1 (With PoE) 100 BASE-TX, RS232: RJ45 x1, RS422: RJ45 x2.
- Control Signal Format - NDI® CONTROL, VISCA over IP, RS 232/ RS422: Baud Rate 2400 / 4800 / 9600 / 19200 / 38400 (Sony VISCA Compatible)
- Display: LED
- Speed control: YES, 2 knobs (pan/tilt, zoom)
- Zoom rocker: YES.
- Zoom ring ibn joystick: YES.
- Programmable function buttons: 6
- Maximum camera control: Max. 255 with multiple protocols including NDI/IP
- Maximum serial connections: RS232: 7 – RS422: 7
- Key/Button illumination: Multi-colour LED.
- Exposure Selection: Yes, Button
- One push White balance: Yes, Button
- Backlight control: Yes, Button
- Display status of WB, Iris, Gain, Shutter, Focus: Yes
- White balance model selection: Yes, Button
- R, B, Gain: Yes, Knob
- Iris Adjustment: Yes, Knob
- Shutter Speed: Yes, Knob
- Focus model selection: Yes, Button
- One push auto focus: Yes, Button
- Manual focus: Yes, Knob
- Power input: DC 12V, PoE (Power over Ethernet), Power via RS232/RS422 port
- Current: 3W
- Operating Temp: 0-40 (°C)
- Dimensions: 278x132x99.5mm

#### 4.2 NDI - SDI I/O Interface

- **Video Input**
- 1 x 3G/HD/SD-SDI
- **Video Output**
- 1 x 3G/HD/SD-SDI
- **Audio Input**
- 3.5mm Line Level
- Embedded 3G-SDI
- **Audio Output**
- 3.5mm Line Level
- Embedded 3G-SDI
- **Audio Channels**
- 16 Encode
- 8 Decode
- **Encoding/ Decoding**
- NDI®
- **Network**
- x RJ-45 port Gigabit Ethernet
- **Interface**
- Web-based user interface for configuration and monitoring
- **Tally**
- Tally support via NDI®
- **Formats**
- 1080p: 60, 59.94, 50, 29.97, 25
- [2/5 12:43 PM] Nuku Motlounq
- **Formats**
- 1080p: 60, 59.94, 50, 29.97, 25
- 1080i: 59.94, 50
- 720p: 60, 59.94, 50, 29.97, 25
- **SDI**
- 75 Ohm impedance SMPTE ST-424M, ST-292M
- **Power**
- Power over Ethernet or External Power Adaptor DC 5V~18V Power Supply
- **Physical**
- Portable enclosure with threaded screw camera mount
- 3.94 x 3.15 x .94 in
- (100 x 80 x 24 mm)
- .53 lbs (.24 kg)

### **4.3 Network and Connectivity**

#### **4.3.1 Network Router (MikroTik RB5009UG+S+IN or equivalent)**

- Router Specification:
- Ethernet Ports: 7x 10/100/1000; 1x 2.5Gbps
- Hardware Button: Reset
- Max. Power Consumption: 14W
- Mounting: Desktop (Can be rack-mounted with the RB-5009RMKIT)
- Operating System: RouterOS v7 Only (Level 5 Licence)
- Operating Temperature: -40°C to 60°C
- PoE Input: 24V-57V (Passive or 802.3af/at PoE)
- PoE Output: None
- Power Input: 24V 1.5A Power Supply (Included)
- Processor: 4 Core 1.4GHz 88F7040 ARM 64bit
- Serial Interface: None
- SFP Ports: 1x 10Gbps
- Supported Voltage Range: 24V-57V.
- System Memory: 1GB
- USB Ports: 1x USB 3.0
- Other: 1x 2-Pin Terminal Connection
- Dimensions: 220 x 125 x 22 mm

#### **4.3.2 Switch**

- Netgear M4250-10G2XF-POE++ or equivalent.
- Primary Port Speed: 1 Gigabit
- Number of Ports: 12 (10x 1G, 2x SFP)
- PoE Ports / Budget: 8 PoE++ (90W/port), 720W Budget
- IGMP Support: Enhanced (NETGEAR IGMP Plus™)
- Jumbo Frame Support: Yes, up to 12kb
- Acoustics: Finless or 50.5dB@25°C
- Power Consumption: With PoE: 837.7W/2859.91Btu/hr; Without PoE: 26.3W/89.79Btu/hr.; Standby without any port connection: 18W/61.45Btu/hr
- AVB Support: Yes. Electronic license required; activation key sent via email (AVB4212UX-10000S)

#### **4.3.3 Intel NUC Core i5 10th GEN 8GB (RAM) 512GB (SSD) Mini PC or equivalent.**

- Processor: Intel Core i5-10210U (4 Cores, 8 Threads, 1.6GHZ base clock, 4.2Ghz Max Turbo Clock)
- Memory: 8GB DDR-4 RAM
- Storage: 512GB M.2 2280 NVME Solid State Drive (SSD)
- Graphics: Intel UHD Graphics
- Connectivity: Wi-Fi 6 AX201 Wireless LAN / Bluetooth
- Operating System: Windows 11 Pro.
- Chassis Dimensions: 117 x 112 x 51mm

#### **4.3.4 Access point**

- Network Access Point (MikroTik RB-CAPAX or similar)
- Antenna Gain: 2.4GHz: 6dBi; 5.8GHz: 5.5dBi

- Beam-width: 360°
- Data Rate: 2.4GHz: 574Mbps; 5.8GHz: 1200Mbps
- Ethernet Ports: 2x 10/100/1000
- Hardware Button: Reset
- Max. Power Consumption: 9W
- Mounting: Wall & Ceiling Mount
- Operating System: RouterOS v7 only (Level 4 Licence)
- Operating Temperature: -40°C to 70°C
- PoE Input: 18V-57V (Passive PoE, 802.3af/at)
- PoE Output: Passive PoE Pass-through Port 2
- Power Input: 48V 0.95A Power Supply (Included)
- Serial Interface: None
- SIM Slots: None
- Supported Voltage Range: 18V-57V.
- Dimensions: 228 x 48 mm

#### **4.4. Rack400 DMNG**

##### **a. VIDEO**

- Standards
  - UHD: 2160p60/59.94/50/30/29.97/25 HD: 1080p60/59.94/50/30/29.97/25
  - 1080i60/59.94/50
  - 720p60/59.94/50
- Density
  - Single UHD/HD
  - Quadruple HD
  - Encoding
    - H.265/HEVC 4:2:0/4:2:2, 8/10-bit H.264/AVC 4:2:0, 8-bit
    - Dynamic resolution adjustment High Dynamic Range (HLG & PQ)
- Bitrates
  - 2 Mbps to 80 Mbps for UHD 300 Kbps to 20 Mbps for HD
  - Constant Bitrate (CBR)
  - Variable Bitrate (VBR)
- Inputs
  - SDI

##### **b. AUDIO**

- Encoding
  - AAC-LC
- Bitrates
  - 32 Kbps to 256 Kbps
- Mode
  - Mono, Stereo
- Density
  - Up to 4 Stereo or 8 Mono per source
- Inputs
  - Embedded over SDI

##### **c. NETWORK CONNECTIONS**

- Ethernet
  - 2 x Gigabit Ethernet ports - LAN, WAN
  - portable satellite (Ka & Ku Band)
- Cellular
  - With optional Haivision Quad CellLink
  - 4 x 3G/4G-LTE world-wide compliant modems - 4 SIM slots
  - High efficiency embedded antenna
- Transport Protocol
  - SST over Cellular/Ethernet (bonding)
  - SRT over Ethernet

#### **d. ADVANCED FEATURES**

##### **Video Encoding**

- Dual encoding for simultaneous Live & Record (single HD mode)
- Video downscaling at a fixed resolution

##### **Streaming**

- Sub-second glass-to-glass latency (down to 80 ms in single encoder mode and down to 500 ms in multi-encoder mode)
- AES encryption of live broadcasts
- IP Data Bridge for using the device as a mobile router.
- Simultaneous live broadcasting and IP traffic (for remote camera control) Prioritize Network Links (user configurable)

##### **Video Returns**

- Full HD video return
- Sub-second latency
- AES encryption
- Return feed generation (up to 2 interlaced or 4 progressive video sources)

##### **User Interface and Operations**

- Video and Audio level preview
- Remote dynamic latency adjustment during a live broadcast Automatic Live Start
- Start/Stop live broadcast and recording from camera.
- (Sony, Panasonic or Blackmagic)

##### **Audio**

- Intercom/IFB with AES encryption

##### **Metadata**

- SMPTE-12M timecode passthrough
- SMPTE-2038 (transparent carriage of ancillary data)

**e. INTERFACES**

- 1 x 12G/3G-SDI input and 3 x 3G-SDI inputs (BNC) 1 x 12G-SDI output (BNC) - reserved for future use 1 x HDMI 1.4 output.
- 1 x GenLock input (BNC)
- 2 x Gigabit RJ-45 Ethernet
- 2 x USB 3.0 (type-A), 1 x USB 3.0 (type-C) 1 x mini jack for IFB/intercom headset
- 1 x micro-SD card slot

**f. CONTROL & MONITORING**

- Embedded touch screen
- Web UI (through laptop, smartphone, etc.) From Haivision StreamHub transceiver From Haivision Manager

**g. POWER**

- Power Supply
  - Dual DC input 18V
- Consumption
  - 34W max (25W to 30W typical)

**h. PHYSICAL**

- Dimensions
  - 1U half rack unit
- Weight
  - = or < 1.4 Kg
- Operating Temperature
  - 0°C to 40°C (32°F to 104°F)

**4.5 QUAD CELLINK ANTENNA**

**a. Cellular Network Interface**

- **Quad CellLink**
  - 4 x 3G/4G-LTE modems with patented high-efficiency antennas for worldwide coverage
- **Mounting**
  - 4 x anti-slip magnetic pads (for mounting on vehicle rooftops) 1 x anti-rotation 1/4-20 threaded mount.
  - 4 x M4 (4mm) internal threads
- **Interfaces**
  - USB 2.0 (male type-A with 3 meters cable)
  - 4 x micro-SIM slots
- **Power**
  - 19V DC input (AC/DC adapter) 25 W (max)
- **Dimensions**
  - 22,2 cm x 9,9 cm x 22,2 cm
  - = or < 2 Kg



- -10°C to 50°C
- IP65 ingress protection

▪ **Control**

- Management Computer
- Rack mount 17" Monitor (VGA, DP, HDMI, etc.)
- Wireless Keyboard and Mouse

**4.6 ND SATCOM SKYWAN IDU 2070 Modem or equivalent.**

**a. Configuration**

- Network Topology True full mesh / star / hybrid / multi-star
- Encoding Turbo
- Modulation & FEC Code Rates QPSK: 1/3 / 2/5 / 4/9 / 1/2 / 2/3 / 3/4 / 4/5 / 5/6 / 6/7
- 8PSK: 2/3 / 3/4 / 4/5 / 5/6 / 6/7
- BPSK: 1/3 / 2/5 / 4/9 / 1/2 / 2/3
- Eb / No 2.6 dB at FEC 1/2 with BER 10<sup>-7</sup>
- Channel Spacing / Roll-off 1.2, 1.4 / 0.2, 0.4
- Modem Symbol Rate 100 KBaud – 6 MBaud, variable in 1 KBaud increments
- User Data Rate 64 Kbit/s – 10 Mbit/s
- Satellite Channel Access Type MF-TDMA / datarate hopping / multiple carrier hopping / transponder hopping / cross-strapping
- Optional WGS compliant modem (1)
- Access Scheme Bandwidth-on-Demand / real-time / non-real-time / guaranteed throughput / QoS classes
- Security Optional FIPS 140-2 Level 3 validated (2) LINK ENCRYPTION with AES 256 Encryption and internal Key Management

**b. Interfaces**

- Serial Interfaces 4 serial ports, each with individual clock & up to 6144 Kbit/s
- X.21 / RS-449 / RS-232C and V.35 on each port selectable
- Protocol UNI/NNI / Isochronous / Transparent
- LAN Interface One 10/100 Base-T Ethernet RJ-45 port
- Protocol Dynamic Routing / OSPF / Static Routing / Multicast / Load Balancing / TCP / TCP-Acceleration / UDP /
- IGMP / VoIP / QoS / Diffserv / Robust Header Compression / Platinum Dynamic QoS for VoIP and Live Video
- Modulator L-Band 950 – 1750 MHz / 0... - 30 dBm / SMA female connector, 50ohm, max. 2.6 A at 24 VDC
- Demodulator L-Band 950 – 1750 MHz / -35...-75 dBm / SMA female connector, 50ohm, max. 700 mA at 24 VDC
- 10 MHz reference signal Configurable on Tx / Rx / reference clock output, SMA female connector, 50ohm

**c. Skywan Fad**

- Type / System Overview Universal access device combining the functionality of a data router, a multiplexer and a voice gateway in a single
- device, enabling users to create converged networks and transport any type of traffic over satellite or terrestrial links.
- Interfaces Analog & Digital with standard protocols, allows interconnection to any PABX or
- PSTN. Serial: X25, Frame Relay, HDLC
- PTT: support for analog & digital VHF systems, signalling either in-band / V24 / E&M

**d. Radios**

- RFT 2000 C-Band 5 W Ku-Band 3 / 4 / 6 W
- WGS compliant version of IDU 2070 does only power the LNB.
- Other Radios with L-Band interface, LNBs with external clock reference from SKYWAN

**e. Network Management**

- NMS Platform SKYWAN NMS
- NMS Architecture Central station, additional stations may be used for monitoring
- IDU Management Interfaces Remote access with in-band management (from central NMS station over satellite) via SNMP
- Remote access with dial-in (via public telephone network with an ached modem)
- Local access via integrated console port EIA-232
- Lineup Manager Easy tool to commission remote SKYWAN sta on via local console port or Ethernet port
- Security NMS & Station Authentication of NMS station / dedicated IP Network for management / authentication of remote station

**f. Mechanical / Environmental**

- Dimensions (H x W x D) 89 mm (2 RU) x 483 mm (19") x 470 mm
- Weight 8,0 kg
- Input Power / Power Consumption 90 – 264 VAC, 50 / 60 Hz, 160 VA nominal (with external load of 3.5 A at 24 V DC)
- Operating Temperature / Humidity +5 °C to +40 °C, 5% - 85 % non-condensing
- Altitude Up to 3000 m above sea level
- Compliance Fully CE compliant with RoHS and REACH
- Radio Standards EN 301 428 Ku-Band VSAT EN 301 443 C-Band VSAT
- Safety EN 60950 Safety IT Equipment
- Emission Standards EN 61000-6-3 Generic Emission Standard EN 55022 Emission IT Class A
- EN 61000-3-2 Harmonics EN 61000-3-3 Flicker
- Immunity Standard EN 61000-6-1 Generic Immunity Standard EN 55024 Immunity IT

**4.7 Wavestream/Gilat 100W KU Band BUC or equivalent.**

- **Transmit Frequency:** 13.75 - 14.5 GHz
- **IF Frequency:** 13.75 - 14.5 GHz
- **Small Signal Gain:** 60 dB (nominal)
- **Gain Adjustment:** 20 dB, 2 dB steps nominal
- **Gain Variation:**
  - Over frequency at fixed temp: 0.5 dB over 36 MHz, 3 dB over 500 MHz
  - Over temp at fixed frequency: 3 dB p-p over operating range
- **Saturated Output Power:** >50 dBm
- **P1dB Output Power:** 49 dBm
- **Linear Output Power:** 46 dBm
- **Intermodulation (Third order intermodulation product relative to combined power of two carriers at 4 dB total power back-off from Saturated Output Power):** -25 dBc
- **Spectral Regrowth (For QPSK at 1.5x and for OQPSK at 1.0x symbol rate offset at 3 dB back-off from Saturated Output Power):** -30dBc
- **AM/PM Conversion (up to Linear Output Power):** 2 deg/dB
- **Noise Power Density - Transmit:** -70 dBW/4 kHz (maximum)
- **Noise Power Density - Receive:** -150 dBW/4 kHz (maximum)
- **Output Spurious:** -55 dBc

## **POWER**

- **AC Power:** 90-264 VAC, 50-60 Hz
- **AC Power Draw (at Saturated Output Power):** 650W
- **AC Power Draw (at Linear Output Power):** 550W

## **INTERFACES**

- **IF Input Connector:** Type N Female
- **IF Input Impedance:** 50 Ohms
- **IF Input VSWR:** 2:1 maximum
- **RF Output Connector:** WR-75
- **RF Output VSWR:** 1.25:1 maximum
- **RF Sample Port Connector:** Type N Female
- **RF Sample Port:** -46 dBc (Typical)
- **AC Connector:** 4-Pin Connector, Male Amphenol C016 20C003 100 12
- **Monitor & Control Connector:** 19-Pin Military Circular, Male MS3112E14-19P
- **Monitor & Control:** Serial RS-485/RS-232 (SA-bus), Forward Power Monitor, Step Attenuator, Ethernet with WebGUI and SNMP Support
- **LED Indicator:** Summary Fault, Loss of Lock, Inhibit

## **PHYSICAL**

- **Size:** 16.8" L x 8" W x 5.2" H (42.7 x 20.3 x 13.2 cm)
- **Weight:** 20.5 lbs (9.3 kg)
- **Operating Temperature (Ambient Air):** -40°F to +140°F, (-40°C to +60°C)
- **Relative Humidity:** 100% Condensing
- **Shock & Vibration:** Designed to withstand 20G at 11 ms ½ sine wave non-operating conditions, and MIL-STD-810E, method 514-4 transportation vibration
- **Altitude:** 10,000 ft above sea level (operating) Electromagnetic compatibility: MIL-STD-461

## **4.8 PRODUCTION**

### **4.8.1 Desktop PC**

- Windows 11 professional
- Rugged solid case
- 2x or more USB-C connectors
- 4 or more USB 3.2
- 2x HDMI connectors
- Dual network card
- Spare power supply
- Integrated sound card
- 19 Inch Monitor (HDMI, Type C, Resolution:1920x1080 or above)
- USB mouse and keyboard
- Intel 14th Generation Core i7-14700KF (4.3GHz, 61MB Cache, 20x Cores, Turbo 5.6Ghz) CPU
- Intel Z790 DDR5 LGA 1700 USB3.2 Intel Motherboard
- GeForce RTX 4070 SUPER 12GB GDDR6 DX12 Graphics Card
- 16GB or more DDR5 5600MHz High Performance RAM
- 1TB NVME SSD Up to 3100MB/s + Speed Ultra-Fast Solid-State Drive
- 750W 80+ High Performance Power Supply
- Integrated 7.1 CH HD Sound Card

**4.8.2 1RU Monitor 17" Monitor (Cattex 8-port 17-inch LCD VGA KVM Console CX-1708 or equivalent.)**

**4.8.3 vMix license**

- 1000 Inputs
- Overlay Channels
- 2 x Recording capabilities.
- simultaneous live streams
- GT designer advanced
- x Vmix Call
- External Outputs
- Two External Outputs
- Two Fullscreen Outputs
- Four Virtual Outputs
- x SRT Outputs

**4.8.4 2 x Rackmount Audio Monitor**

- 2x(Pair) 3.5" Nearfield Speaker Monitors (PreSonus Eris E3.5 or equivalent)
- Features
- 3.5-inch, woven-composite, low-frequency driver
- 1-inch, ultra-low mass, silk-dome, high-frequency driver
- 50W, Class AB dual amplification
- 80 Hz to 20 kHz frequency response
- 98 dB SPL (Peak, @ 1 meter)
- High- and low-frequency Acoustic Tuning controls
- Balanced, 1/4-inch TRS inputs; unbalanced, 1/8-inch stereo and RCA inputs; and
- Integrated stereo headphone amplifier with front-panel 1/8-inch output
- Protection: RF interference, output-current limiting, over-temperature, turn-on/off transient, subsonic filter
- Power Saver mode (engages after 40 minutes)
- Comes with speaker wire, 1/8-inch TRS to stereo RCA cable, and stereo 1/8-inch TRS to 1/8-inch TRS cable.

**4.8.5 Stream Deck or equivalent.**

- Elgato Stream Deck XL-Advanced Stream Control or equivalent
- 32 customizable LCD keys studio-level control
- Easily customized keys with static or dynamic icons
- Give instant visual feedback to confirm every command.
- Adjust audio levels.
- Switch cameras.
- Apply lower thirds. Change scenes, Trigger onscreen videos, images and soundbites.
- USB Connectivity technology

**4.8.6 USB Sound interface card.**

- **Sample rates:** 44.1, 48, 88.2, 96, 176.4, 192 kHz
- **Mic/line/guitar:** 4 x XLR/TRS "combo jack" mic/line/Hi-Z guitar inputs independent preamp gain, 48V phantom power and monitor switch for each input.
- **Analog inputs:** 2 x 1/4" line in
- **Analog outputs:** 4 x 1/4" TRS line out (balanced, DC coupled) 2 x 1/4" TRS stereo headphone with independent volume.

- **Computer I/O:** 1 x USB-C 2.0 audio class compliant Compatible with USB Type A host (\*see power below) USB C-to-C and C-to-A cables included.
- **MIDI I/O:** 1 x MIDI IN 1 x MIDI OUT 16 MIDI channels to/from computer host
- **Headphones:** 2 x 1/4" TRS stereo headphone with independent volume 1 x 3-4 switch for optional monitoring of Line Out 3-4
- **Phantom power:** 4 x individual +48V
- **Front panel:** 2 x 1/4" TRS headphone output 1 x potentiometer • monitor vol 2 x potentiometer • phone vol 1 x potentiometer • input monitor mix 4 x potentiometer • mic/line/guitar input gain 11 x switches • (4) 48V, (5) MON, (1) A/B and (1) 3-4 160 x 128 pixel full-colored LCD with input and output level meters.
- **Power Bus:** Powered through USB\* Optional multi-blade international 15V DC power adapter (included), 1.0A max • tip pos or neg, supports 100-240V power sources (US/Japan, EU, UK, Australia) \*USB bus power available with USB-C hosts only. For other hosts, use the included DC power adapter. For iOS devices with a Lightning port, an Apple Lightning to USB3 Camera Adapter is required (sold separately).
- **Dimensions and weight:** (width x depth x height, enclosure only) 9.21 x 4.75 x 1.8 inches 23.4 x 12.0 x 4.57 cm 2.15 lbs / 0.975 kg

#### **4.9 Communications.**

##### **4.9.1 Wireless Comms Base Station**

- **Interface**
  - POE Interface (RJ45)
  - Power Supply Interface (RJ45)
  - 4-Wire Audio Interface
  - USB Interface
  - 2-Wire Audio Interface
  - Unlimited Cascade Connection.
  - 3 Grouping Talks+
- **Power Supply:** POE Power Supply, NP-F Battery
- **Frequency Response:** 200Hz to 7kHz
- **Signal-to-Noise Ratio:** >50Db
- **Distortion:** <1%
- **Transmission Range:** 1,300ft (400m) LOS
- **Frequency Band:** 1.9GHz
- **Modulation Mode:** GFSK
- **TX Power:** Maximum 21dBm
- **RX Sensitivity:** ≤-93dBm
- **Frequency Bandwidth:** 1.728MHz
- **Power Consumption:** <3W
- **Dimensions:** (L x W x H): 255.5mm x 180.4mm x 48.5mm (10" x 7.1" x 1.9")

- **Weight:** About 1560g (55oz)
- **Temperature Range:** 0 to 45°C (Working Status), -20 to 60°C (Storage Status)

#### **4.9.2. 8 x Headsets for beltpacks.**

#### **4.9.3. 8 x Beltpacks.**

- **Interface:** 3.5mm Headset Interface, LEMO Headset Interface, USB-C Interface.
- **Power Supply:** 10 x 1500mAh Lithium Polymer Battery.
- **Charger** for 8 beltpacks and 8 batteries.
- **Frequency Response:** 200Hz to 7kHz
- **Signal-to-Noise Ratio:** >50Db
- **Distortion:** <1%
- **Transmission Range:** 1,300ft (400m) LOS
- **Frequency Band:** 1.9GHz
- **Modulation Mode:** GFSK
- **TX Power:** Maximum 21dBm
- **RX Sensitivity:** ≤-93dBm
- **Frequency Bandwidth:** 1.728MHz
- **Power Consumption:** <0.6W
- **Dimensions:** (L x W x H): 105mm x 65mm x 22.4mm (4.1" x 2.5" x 0.9")
- **Weight:** About 200g (7.05oz)
- **Temperature Range:** 0 to 45°C (Working Status), -20 to 60°C (Storage Status).

#### **4. Heavy duty tripod is with a standard 1/4" screw.**

- Type: floor
- Maximum tripod height: 210 cm
- Maximum load: 8 kg
- Folded length: 72 cm

#### **4.10 UPS Power Supply System. Inclusive of necessary cabling (AC&DC)**

##### **4.10.1 24V UPS System**

- **2 x 24V Lithium-Ion battery (PYLON UP2500) or equivalent**
  - Rack mountable.
  - At least 100 Ah (at least 2.5 KW)
  - Dimensions – 3RU

**4.10.2 1 x 24V 5kw Inverter/Charger (Vitron 24/5000/120 MultiPlus 24/5000/120 or equivalent).**Inverter Main attributes:

- Nominal Battery Voltage: 24V
- Power Control: Yes
- Power Assist: Yes
- AC input: Voltage range 220V-250V @ 50Hz
- Dual Output voltage: Yes (comply) 230V AC (i.e. **AC-Loads & Critical Loads**)
- Transfer Switch: 80A-120A.
- AC Auxiliary output (comply): Yes (at least 50A)

Inverter Features

- DC Input voltage range(V): 19-33V
- AC Output (V): 230 VAC  $\pm 2\%$  @ 50Hz  $\pm 0.1\%$
- Continuous Power @ 25°C: 5000 VA/W
- Continuous Power @ 40°C: 3700 W
- Continuous Power @ 65°C: 3000 W
- Max apparent feed power: 5000 VA
- Peak Power: 9000 W

Charging Features

- AC Input: 187-265 VAC @ 45-65 Hz
- Charge voltage absorption: 28.8V
- Charge voltage float: 27.6
- Storage mode: 26.4
- Max battery charge: 26.4V
- Max battery charge current: 120A
- Battery Temperature sensor: Yes

Inverter Configuration Features

- Auxiliary out (AC): Yes (comply)
- External AC current sensor: Yes (100A)
- Programmable relay: Yes
- VEBus Communication port: Yes
- GPIO ports: Yes (at least 2)
- Remote on-off: Yes

Inverter Control features

- Remote control: Yes (eg. Color Control GX if Vitron)
- Configuration control: Yes (e.g. MK3-USB if Vitron)
- IoT monitoring (android, iOS etc): Yes (e.g. VE.Bus Smart Dongle if Vitron)

Inverter Safety and enclosing

- Enclosing: Durable enclosing (i.e. IP 21 safety standard)
- Battery-connection: Road travel safety (i.e. M6-M8 bolts or equivalent)
- AC connection: Industry standard (i.e. ECSA, SAIEE, etc regulations)
- Dimension: OB Van capability

**4.10.3 1 x Automatic Transfer Switch (ATS)**

- Nominal input voltage: 230V AC
- Acceptable input voltage:  $\pm 10\%$



- Input frequency: 50/60 Hz
- Current: 60A

#### **4.10.4 DC Charger (Alternator charger)**

##### **▪ 1 x GSM Mobile Hybrid Unit**

###### **Features**

1. Includes 3 x GSM mobile phone module fitted (standard unit - able to accommodate up to 3 modules)
2. For outside broadcast trucks and permanent installation in studios
3. QUAD band GSM works in most of the World.
4. Use any networks SIM card via front panel.
5. Balanced line input on XLR
6. Easy to set input and output level control.
7. Headphone output on 6.35mm jack with volume control
8. Balanced Line output on XLR (this is the return feed from the studio)
9. Large LED flashes, with sound indicates incoming call (can be switched off)
10. Redial button for quick redialing of the last called number.
11. Simple 9 memory phonebook with quick access to stored numbers
12. SMA aerial connector allows different antennas to be connected.
13. 19-inch 1RU subrack.
14. Switch mode power supply (100 -250 VAC)
15. The GS-MPI005 is mains powered from a switch mode power supply (100 to 250 VAC) making it suitable for use of any standard mains supplies around the World and perfect for an outside broadcast vans power supply.
16. The GS-MPI005 is fitted with 1 mobile phone. It has a rear panel balanced audio connections on XLR, its own aerial connection and its own front panel controls and SIM card holder. Extra mobile phone modules are available with up to 3 phones in the 1U 19" unit. Extra phone model number GS-MPI005/EP
17. What about quality? Because the GS-MPI005 has a digital GSM module, the audio quality is the best you will ever get from a mobile phone network. With the audio being in the digital domain separation between the go and return channels is 100% which far outperforms even the very best standard wired telephone hybrids.
18. Audio Frequency Response Telephone networks provide 300 Hz to 3.4 kHz audio bandwidth.
19. Quad Band GSM Frequencies 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
20. Network Will operate on any mobile phone network, just plug in your SIM card.
21. Headphone Impedance 200 - 2000 Ohms
22. Line input level 0dB.
23. Input gain control +/-10dB.
24. Headroom 26dB
25. Output level 0dB.
26. Output gain control +/-10dB.
27. Max output level (line out XLR) +13dBu
28. Mains Power Supply 100 to 250 Volts AC, IEC plug
29. Power Consumption: 1 Module fitted: 3.3 Watts.
30. Aerial Connector type SMA



#### 4. TENDER RESPONSE FORMAT

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

##### 4.3. Pricing Breakdown Model

- 4.3.1. 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).
- 4.3.2. 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.
- 4.3.3. Supplier must provide the product specifications of the product or service of the items priced.
- 4.3.4. 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.

#### 5. EVALUATION CRITERIA

Bidders should note that only bidders who submitted the mandatory valid documents of the bid shall be evaluated further for Functionality (where indicated), Price and Specific Goals

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.

##### 5.1 Technical and Functionality Evaluation

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

- 5.1.1 The first stage of the tender responses will be technically evaluated at a total of **11 points** on Vehicle Compliance. Bidders are required to obtain a total of **11 points** to qualify for further evaluation. **Refer to 3.1 of the technical response.**
- 5.1.2 The second stage will be technically evaluated at a set threshold of **26 points** out of **26 points** for Technical Evaluation. **Refer to section 4 of the technical response.** All bidders achieving less than the set threshold will be disqualified and therefore will not be considered for further evaluation.
- 5.1.3 The third stage will be functionally evaluated at a set threshold of **26 points** out of **50 points** for Functional Evaluation.
- 5.1.4 All bidders achieving less than the set threshold will not be evaluated further and will be deemed non-Responsive and will not be evaluated further for Price and Specific Goals.

## 5.2 Technical Evaluation:

## 5.2.1 Vehicle Evaluation

	Evaluation Criteria	Min Points	Max Points	Comply or non-comply	Compliance response with Bidder commitment and/or page reference for provided supporting information
<b>1</b>	<b>VEHICLE REQUIREMENTS</b>				
	Refer to 3.1 of Document E (Bidder to confirm compliance and provide a brochure)	<b>1</b>	<b>1</b>		
<b>2</b>	<b>VEHICLE MODIFICATIONS</b>				
	Refer to 3.2 of Document E (Bidder to confirm compliance)	<b>1</b>	<b>1</b>		
<b>3</b>	<b>Satellite Antenna Requirements – Raysat ER7000 antenna or equivalent.</b>				
	Refer to 3.3 of Document E (Bidder to confirm compliance and provide brochures)	<b>1</b>	<b>1</b>		
<b>4</b>	<b>Silent Outdoor Mobile Generator (5kW) and Trailer.</b>				
	Refer to 3.4 of Document E (Bidder to confirm compliance and provide brochures)	<b>1</b>	<b>1</b>		
<b>5</b>	<b>Air conditioner</b>				
	Refer to 3.5 of Document E (Bidder to confirm compliance and provide brochure)	<b>1</b>	<b>1</b>		
<b>6</b>	<b>Equipment Racks</b>				
	Refer to 3.6 of Document E (Bidder to confirm compliance)	<b>1</b>	<b>1</b>		
<b>7</b>	<b>Lighting</b>				
	Refer to 3.7 of Document E (Bidder to confirm compliance)	<b>1</b>	<b>1</b>		
<b>8</b>	<b>Uninterrupted Power Supply (UPS)</b>				
	Refer to 3.8 of Document E (Bidder to confirm compliance provide a brochures)	<b>1</b>	<b>1</b>		
<b>9</b>	<b>Provision for Mains Power</b>				
	Refer to 3.9 of Document E (Bidder to confirm compliance)	<b>1</b>	<b>1</b>		
<b>10</b>	<b>Vehicle Entry Panel</b>				
	Refer to 3.10 of Document E (Bidder to confirm compliance)	<b>1</b>	<b>1</b>		
<b>11</b>	<b>Additional Equipment</b>				
	Refer to 3.11 of Document E (Bidder to confirm compliance)	<b>1</b>	<b>1</b>		
<b>TOTAL</b>		<b>11</b>	<b>11</b>		

Bidders who obtain less than **11 points out of 11 points** will be disqualified and will be eliminated from further evaluation for Technical Evaluation.

## 5.2.2 Vehicle Evaluation

TECHNICAL EQUIPMENT SPECIFICATIONS (Bidder to comply with all the specification)		Min Points	Max Points	Comply or Non-Comply	Compliance response with Bidder commitment and or page reference for provided supporting information
<b>4.1</b>	<b>Cameras</b>				
<b>4.1.1</b>	<b>1 x PTZ Camera with Ndi + Mount Accessories: Boxed PTZ (BirdDog PF120 or equivalent)</b>	<b>1</b>	<b>1</b>		
	Refer to 4.1.1 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.1.2</b>	<b>2 x PTZ Camera (BirdDog P240 or equivalent)</b>	<b>1</b>	<b>1</b>		
	Refer to 4.1.2 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.1.3</b>	<b>PTZ Keyboard/Controller</b>	<b>1</b>	<b>1</b>		
	Refer to 4.1.3 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.2</b>	<b>NDI - SDI I/O Interface</b>				
	Refer to 4.2 of Document E (Bidder to confirm compliance and provide a brochure)	<b>1</b>	<b>1</b>		
<b>4.3</b>	<b>Network and Connectivity</b>				
<b>4.3.1</b>	<b>Network Router (MikroTik RB5009UG+S+IN or equivalent)</b>	<b>1</b>	<b>1</b>		
	Refer to 4.3.1 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.3.2</b>	<b>Switch - Netgear M4250-10G2XF-POE++ or equivalent.</b>	<b>1</b>	<b>1</b>		
	Refer to 4.3.2 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.3.3</b>	<b>Intel NUC Core i5 10th GEN 8GB (RAM) 512GB (SSD) Mini PC or equivalent.</b>	<b>1</b>	<b>1</b>		
	Refer to 4.3.3 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.3.4</b>	<b>Access point</b>	<b>1</b>	<b>1</b>		
	Refer to 4.3.4 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.4</b>	<b>Rack400 DMNG</b>	<b>1</b>	<b>1</b>		

	Refer to 4.4 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.5</b>	<b>QUAD CELLINK ANTENNA</b>				
	Refer to 4.5 of Document E (Bidder to confirm compliance and provide a brochure)	<b>1</b>	<b>1</b>		
<b>4.6</b>	<b>ND SATCOM SKYWAN IDU 2070 Modem or equivalent.</b>				
	Refer to 4.6 of Document E (Bidder to confirm compliance and provide a brochure)	<b>1</b>	<b>1</b>		
<b>4.7</b>	<b>Wavestream/Gilat 100W KU Band BUC or equivalent.</b>				
	Refer to 4.7 of Document E (Bidder to confirm compliance and provide a brochure)	<b>1</b>	<b>1</b>		
<b>4.8</b>	<b>PRODUCTION</b>				
<b>4.8.1</b>	<b>Desktop PC</b>	<b>1</b>	<b>1</b>		
	Refer to 4.8.1 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.8.2</b>	<b>1RU Monitor 17" Monitor (Cattex 8-port 17-inch LCD VGA KVM Console CX-1708 or equivalent.)</b>	<b>1</b>	<b>1</b>		
	Refer to 4.8.2 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.8.3</b>	<b>vMix license</b>	<b>1</b>	<b>1</b>		
	Refer to 4.8.3 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.8.4</b>	<b>2 x Rackmount Audio Monitor</b>	<b>1</b>	<b>1</b>		
	Refer to 4.8.4 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.8.5</b>	<b>Stream Deck or equivalent.</b>	<b>1</b>	<b>1</b>		
	Refer to 4.8.5 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.8.6</b>	<b>USB Sound interface card.</b>	<b>1</b>	<b>1</b>		
	Refer to 4.8.6 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.9</b>	<b>COMMUNICATIONS</b>				
<b>4.9.1</b>	<b>Wireless Comms Base Station</b>	<b>1</b>	<b>1</b>		
	Refer to 4.9.1 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.9.2</b>	<b>8 x Headsets for beltpacks.</b>	<b>1</b>	<b>1</b>		
	Refer to 4.9.2 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.9.3</b>	<b>8 x Beltpacks.</b>	<b>1</b>	<b>1</b>		
	Refer to 4.9.3 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.9.4</b>	<b>Heavy duty tripod is with a standard 1/4" screw.</b>	<b>1</b>	<b>1</b>		
	Refer to 4.9.4 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.1</b>	<b>UPS Power Supply System.</b>				

<b>4.10.1</b>	<b>24V UPS System</b>	<b>1</b>	<b>1</b>		
	Refer to 4.10.1 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.10.2</b>	<b>1 x 24V 5kw Inverter/Charger (Vitron 24/5000/120 MultiPlus 24/5000/120 or equivalent).</b>	<b>1</b>	<b>1</b>		
	Refer to 4.10.2 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.10.3</b>	<b>1 x Automatic Transfer Switch (ATS)</b>	<b>1</b>	<b>1</b>		
	Refer to 4.10.3 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>4.10.4</b>	<b>DC Charger (Alternator charger)</b>	<b>1</b>	<b>1</b>		
	Refer to 4.10.4 of Document E (Bidder to confirm compliance and provide a brochure)				
<b>TOTAL</b>		<b>26</b>	<b>26</b>		

Bidders who obtain less than **26 points** will be disqualified and will be eliminated from further evaluation for functionality.

### 5.2.3 Functionality Evaluation

Evaluation Area	Functional Criteria	Max. Points	Min. Points
Previous working experience with references letters	<p>Proven track record, ability and success in building and delivering a broadcast vehicle. Bidder to provide the reference letter(s) on client letter head describing similar work done, including contactable references. Refer to Annexure B for reference letter template.</p> <ul style="list-style-type: none"> <li>3 and more letters from clients = 15 points</li> <li>2 - letters from clients = 10 points</li> <li>1 - letter from client(s) = 5 points</li> </ul> <p>NB: Non-submission of client reference letter(s) will be scored zero.</p> <p>The SABC further reserves the right to call the referee and verify the information. Any incorrect information will be regarded as deliberate misrepresentation and be dealt with in terms of the prescripts and law.</p>	15	5
Warranty	<p>Technical equipment</p> <p>Clearly indicate the warranty period for i.e.</p> <ul style="list-style-type: none"> <li>1 Year Standard Warranty (3 points)</li> <li>Extended warranty with no financial implications to SABC (5 points)</li> </ul>	5	3

	<b>Vehicle</b> Clearly indicate the warranty period i.e. <ul style="list-style-type: none"> <li>Standard motor-plan (3 points)</li> <li>Extended motor-plan with no financial implications to SABC (5 points)</li> </ul>	5	3
<b>Delivery and installation</b>	Clearly indicate the expected delivery and installation lead time <ul style="list-style-type: none"> <li>4 - 5 Months = 15 points</li> <li>6 - 8 Months = 10 points</li> <li>More than 8 months = 0 points</li> </ul>	15	10
<b>Training</b>	Provide overview of training approach as part of project deployment <ul style="list-style-type: none"> <li>Operational and technical training including materials without financial implications to the SABC = 10 points</li> <li>Operational and technical training including materials with financial implications to the SABC = 5 points</li> </ul>	10	5
<b>TOTAL</b>		<b>50</b>	<b>26</b>

Bidders who obtain less than threshold of **26 points out of 50 points** will be disqualified and will be eliminated from further evaluation for Price and Specific Goals.

### 5.3 Price and Specific Goals: Phase three

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

### 5.4 Financial Stability

The financial stability evaluation is used to assess the financial risk of the shortlisted bidders.

#### FINANCIAL STABILITY

**Respondents are required to submit their audited financial statements for the past 3 years with their Proposal/Bid in order to enable the SABC to establish financial stability as follows:-**

Area	Assessment Criteria
Financial Due Diligence	Bidders financial due diligence will be assessed based on submitted audited financial statements using financial ratios, where applicable.

### 5.5 Objective Criteria

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

5.1.2.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.

- 5.1.3. 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 2022

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Specific Goals.

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, 2022.

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 R50 000 (all applicable taxes included).
- 1.2 The value of this bid is estimated to exceed R50 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

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	20
Total points for Price and Specific goals must not exceed	100

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       **“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.
- 2.16       **“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
- 2.17       **“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 If two or more tenderers score an equal total number of points, the contract must be awarded to the tenderer that scored the highest points for specific goals.
- 3.5 If two or more tenderers score equal total points in all respects, the award must 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:

**80/20**

**or**

**90/10**

$$P_s = 80 \left( 1 - \frac{P_t - P_{\min}}{P_{\min}} \right) \quad \text{or} \quad P_s = 90 \left( 1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where

$P_s$  = Points scored for comparative price of bid under consideration

$P_t$  = Comparative price of bid under consideration

$P_{\min}$  = Comparative price of lowest acceptable bid

#### 4.2 Points awarded for Specific Goals

In terms of Regulation 4 (1) 5 (1) and 6 (1) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for submitting evidence for specific goals claimed in accordance with the table below:

#### 4.3 SPECIFIC GOALS TABLE

SPECIFIC GOALS	80/20	90/10
EME/SME 51% owned by Black people	10	4
51% owned by Black people;	5	3
51% owned by Black people who are women	3	2
Black Youth	2	1

NB: Bidders must submit evidence for every specific goal claimed and points will be awarded in accordance with the evidence as submitted by the bidder. The bidder who does not meet the specific goals will not be disqualified but score zero.

## 5.0 BID DECLARATION

5.1 Bidders who claim points in respect of Specific Goals must complete the following:

## 5.2 SPECIFIC GOALS POINTS CLAIMED IN TERMS OF SPECIFIC GOALS TABLE

5.3 **Specific Goals Points claimed :..... = .....(maximum of 10 or 20 points)**

(Points claimed in respect of paragraph 5.3 must be in accordance with the table reflected in paragraph 4.3 and must be substantiated by means of evidence as described table 5.4

## 5.4 EVIDENCE TO BE SUBMITTED FOR SPECIFIC GOALS

Specific Goals	Acceptable Evidence
B-BBEE	Valid BEE Certificate / Sworn Affidavit (in case of JV, a consolidated scorecard will be accepted)
Black Women Owned	Certified ID Documents of the Owners/shareholder
Black Youth owned	Certified ID Documents of the Owners
EME or QSE 51% Black Owned	Annual Financial/ Management Accounts/ B-BBEE Certificate / Affidavit/ Certified ID Documents of the Owners/shareholder
51% Black Owned	CIPC Documents / B-BBEE Certificate/Affidavit/ Certified ID Documents of the Owners/shareholder
South African Enterprises	CIPC Documents

## 6.0 DECLARATION WITH REGARD TO COMPANY/FIRM

6.1 Name of company/firm:

.....

6.2 VAT registration number:

.....

6.3 Company registration number

.....

6.4 Type Of Company/ Firm

- ☐ Partnership/Joint Venture / Consortium
  - ☐ One person business/sole propriety
  - ☐ Close corporation
  - ☐ Company
  - ☐ (Pty) Limited
- [TICK APPLICABLE BOX]

6.5 Describe Principal Business Activities

.....

.....

.....

.....

6.6 Company Classification

- ☐ Manufacturer
- ☐ Supplier
- ☐ Professional service provider
- ☐ Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

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

6.8 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. ....

.....  
SIGNATURE(S) OF BIDDER(S)

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-
- abused the institution's supply chain management system.
  - committed fraud or any other improper conduct in relation to such system; or
  - 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	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).  <b>The Database of Restricted Suppliers now resides on the National Treasury's website(<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) and can be accessed by clicking on its link at the bottom of the home page.</b>	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)? <b>Register for Tender Defaulters can be accessed on the National Treasury's website (<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) by clicking on its link at the bottom of the home page.</b>	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

**SBD 9**

**CERTIFICATE OF INDEPENDENT BID DETERMINATION**

- 1.0 This Standard Bidding Document (SBD) must form part of all bids<sup>1</sup> 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).<sup>2</sup> 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:

<sup>1</sup> Includes price quotations, advertised competitive bids, limited bids and proposals.

<sup>2</sup> 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 NO: **RFP/RAD/2025/10243661/4**

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 consortium<sup>3</sup> 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.

<sup>3</sup> 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

\_\_\_\_\_ 2025

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**



**Tax Compliance Questionnaire for Foreign Suppliers**  
*[Mandatory for foreign suppliers to complete]*

## 1. BACKGROUND

Foreign suppliers with no local footprint (i.e. the foreign supplier doesn't have a branch or representative registered here in RSA) do not need to submit a tax clearance certificate.

These suppliers are also exempted from registering on the National Treasury's Central Supplier Database.

In order to ascertain whether you are a supplier with no local footprint and that no tax clearance certificate is required, please answer the following pre-award questionnaire in the table below: *Please mark the applicable*

No.	Question	Yes	No
1.	Are you a resident of the Republic of South Africa (RSA)?		
2.	Do you have a branch in the RSA?		
3.	Do you have a permanent establishment in the RSA?		
4.	Do you have any source of income in the RSA?		
5.	Are you liable in RSA for any form of taxation?		

*column (Yes/No) with an 'X'*

If the answer is 'No' to all of the above, then it is not a requirement to obtain a tax clearance certificate / tax clearance system pin code from SARS.

Yours faithfully

The supplier hereby confirms that the questions above were answered truthfully and were fully understood.

Name	Designation	Signature	Date
Description of goods or services to be supplied			
Company name			
Company registration number			
Telephone number		Fax No. and/or e-mail address	

**END OF THE REQUEST FOR PROPOSAL DOCUMENT**