



REQUEST FOR INFORMATION

RFI NO: RFI/TV/2021/8

RFI TITLE: Request for Information for Parliament Upgrade for Turnkey IP Solution

This RFI calls for request for information to provide Industry Standard Recommendations of a turnkey IP solution for the SABC Broadcast facilities in Marks Building in the Parliament Precinct in the Western Cape

RFI documents are obtainable from **17 November 2021** from the following websites:

- **Government E-Portal @ <http://www.etenders.gov.za>**
- **SABC Website @ <http://www.sabc.co.za/sabc/tenders>**

Closing Date: 10 December 2021

For enquiries: E-mail: tenderqueries@sabc.co.za



SOUTH AFRICAN BROADCASTING SABC SOC LIMITED
("The SABC")

REQUEST FOR INFORMATION (RFI)

RFI NUMBER	: RFI/TV/2021/8
RFI TITLE	: Request for Information for Parliament Upgrade for Turnkey IP Solution

EXPECTED TIMEFRAME

RFI PROCESS	EXPECTED DATES
RFI Advertisement Date	17 November 2021
RFI Available from	http://www.etenders.gov.za http://www.sabc.co.za/sabc/tenders
Briefing Session	Not Applicable
RFI Closing Date and Time	10 December 2021
Contact details	NtoziniN@sabc.co.za / MahlauleHR@sabc.co.za

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

Respondents interested in participating must register their interest by providing company name, contact person, telephone, cell number and email address to tenderqueries@sabc.co.za, please indicate RFI number on the subject line. This will ensure that any addenda and clarification to this RFI are communicated to all participants.

The SABC no longer sells its tender documents. PDF Documents will be available on the SABC Website as well as the National Treasury E-Tender Website.

Please note that this is a Request For Information and not a Request For Proposal.

REQUEST FOR INFORMATION:

1. DEFINITIONS

- 1.1 “**RFI**” - a request for information, which is a written official enquiry document encompassing all the terms and conditions of the information in a prescribed or stipulated form.
- 1.2 “**RFI response**” - a written response in a prescribed form in response to an RFI.
- 1.3 “**Hosting Partners**” - companies who entered into an agreement with SABC LOC in the areas of application management; application hosting, application service provision, and marketplace hosting are incorporated in this category.
- 1.4 “**Respondent**” – any person (natural or juristic) who forwards an acceptable RFI in response to this RFI with the intention of being the main contractor should the RFI be awarded to him.

2. CONFIDENTIALITY

All information related to this request for information 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 Respondents 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 Respondents maintain to protect their own confidential information; only used for the purpose of considering and responding to this RFI; and not reproduced in any form except as required for the purpose of considering and responding to this RFI. Respondents 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 RFI; and those partners, officers, employee and advisers are informed of the confidential information section and keep that information confidential. This RFI remains at all times the property of the SABC. No rights other than as provided in this RFI and in respect of the confidential information are granted or conveyed to bidder/s

NAME OF Respondent: _____

PHYSICAL ADDRESS: _____

Respondent's contact person: Name : _____

Telephone : _____

Mobile : _____

Fax.: _____

E-mail address : _____

3. The manner of submission of the RFI

- 3.1** Respondent shall submit RFI response in accordance with the prescribed manner of submissions as specified below.
- 3.2** Respondent shall submit one (1) electronic copy. Electronic copies may be e-mailed to : tenderqueries@sabc.co.za
- 3.3** All additions to the information documents i.e. appendices, supporting documentation, photographs, technical specifications and other support documentation covering suggested solutions etc. shall be neatly bound as part of the schedule concerned.

4. BACKGROUND

SABC wants to embark on a Turnkey Solution for a full IP Broadcast infrastructure converged Radio and TV at our Marks Building Offices inside the Parliamentary precinct. This will ensure fully fledged live studios with multidisciplinary production facilities. Currently the SABC has a Contribution TV Studio, a Radio Studio, 6 Editing suites that needs to be upgraded with all content being available nationally to all SABC offices/regions.

5. Scope

The scope of this RFI encompasses acquiring relevant information from industry to enable the SABC to:

- Have a full IP solution for all our parliamentary broadcast needs
- Keep the standard of HD 1080i50 or 1080i25 EBU
- Have a fully-fledged turnkey solution that includes installations, manpower, training, configuration, cabling, switches, etc)
- Have redundancy built in to safeguard all broadcast needs
- Have complete router infrastructure
- Make no structural but aesthetic changes
- Technical furniture for all areas including following facilities within TV Control Room
 - Audio Operator
 - Director
 - Graphics
 - Prompter
- UPS Solution with enough power banks to run for 6 hours
- Cover the following areas within this project
 - Equipment Room
 - With Rack Cooling (cold in front / hot in back)
 - Glass sliding doors between equipment and control room
 - TV Control Room
 - TV Studio
 - 5 Edit suits (Radio / TV Combined)
 - Radio Studio
 - Radio Control Room
- Integrate with current dependencies
 - Livewire Network for playout to on-air system in Radio studio
 - With proposed ST2110 installations
 - Broadcast network (accommodate scaling and futureproofing in terms of throughput)

- Storage Solution
- External Feeds (Parliament is distributing on Optic 1080i50)
- Corporate Backbone
- Operating systems
 - Windows for Dira! (Radio Playout)
 - Windows for SABC Workflow
 - Mac for Editing (TV/Radio)
- Software
 - TV Editing
 - Final Cut Pro – Video Editing
 - Motion - Create Motion Graphics
 - Compressor – Transcoding
 - Aspera – File Transfer
 - Radio Editing – Dira!
 - Advanced Audio Editing – ProTools
 - Office 365
 - News Editing System (eg ENPS)

This RFI is aimed at gathering relevant information for a fully fledged IP based solution for all their broadcasting needs:

Information and advice needed on the following:

Editing Suites (x5)	<ul style="list-style-type: none"> • Edit suite to servicing both Radio & TV (Mac Solution) • Mixer: 6-8 Input – live wire and USB compatible • Microphones and desktop stands • Monitors <ul style="list-style-type: none"> ○ 2 x Audio Monitors ○ Confidence video monitors for colour, framing and aspect ratio correction • Studio Headphones • 1 receive & 1 Send for each edit suit (1080i50) • Connection / integration with the News production system. • Licensing for Parallel Software (Virtual Machine)
Routing Panels	Display to show source and destination titles Programmable Panels <ul style="list-style-type: none"> • Radio Studio (4x12) • (x5) Edit suite minimum: (4x12) <ul style="list-style-type: none"> ○ Ability to route its output to the (3) encoders (feed lines) ○ Ability to route any of the external sources to the suite Control room (production) <ul style="list-style-type: none"> ○ Camera Matching (1x12) ○ Director (24x24) <ul style="list-style-type: none"> ▪ Ability to route any source to the vision mixer • Data Room & Control Room (32x32 each layered) <ul style="list-style-type: none"> ○ At least half the sources and destinations at any given instant ○ Route any source to the encoders, recorders, camera matching, multi-viewer(s), edit suites
Distribution Points X2 1. Staalplein	New Distribution Breakout Box with security (lockable) To connect Marks Building Studio with all functionalities which includes:

2. Imbizo Centre	<ul style="list-style-type: none"> • 3 x Camera feeds – CCU extension point (or equivalent) <ul style="list-style-type: none"> ◦ With control, video sends and returns, prompter, comms • For Coms, 5x Audio links, Data link to corporate network • Power with 5KVA UPS and redundancy connectivity built in – 5 plugs • 2x Video Sends • 2x Video Returns • 3x Cable windup Drums – 300m – Camera Cables
Equipment Room Currently 3x ME encoders to send feeds to JHB. 1x Decoder for feeds from National SABC JHB Satellite receivers (x2) (DSTV off-air) must be available on distribution.	News Production System (work in progress server): Transfer/transcode engine (File workflow Management) <ul style="list-style-type: none"> • Record up to 800 hours 1080i50. AVC-Intra 50 • Must be playback server x2 channels • Ingest Station <ul style="list-style-type: none"> ◦ 18 Feeds (and able to edit within 20seconds) ◦ At least 3 high speed P2 ingest points (highest available) • Must be able to record all feeds from Parliament (16-32) • MAM – Media Asset Manager included <ul style="list-style-type: none"> ◦ Proposed on EDL (Enterprise Digital Library) Include Archiving solution for up to 3 years. ◦ Provide Video on demand from about 15 stations ◦ Browser based end user interface • Online and offline editing – nearline storage for a month • Compatible with edit workflows <hr/> Equipment (hardware & software) (Orchestration and Management) <hr/> Redundant Clock Generators with GPS Time code studio clock linked to the news production system and GPS synced Clock controllers <hr/> Monitoring and Measuring equipment (Audio/Video Monitoring, wave form, etc) <hr/> Livewire Router: Orchestration and Management (500x500) Livewire Monitoring software
Studio	Teleprompters for 2 Cameras (talent operated prompter) <ul style="list-style-type: none"> • Mount on Camera Pedestal • IP compliant • Control in Control Room Teleprompter system <ul style="list-style-type: none"> • 2 monitors mounted on 2 of the 3 pedestals or tripods. • 19” at least. • Mounting bracket to accommodate talent monitor hanging perpendicular to the prompter monitor. • Control hardware (desk, foot and wireless) for speed: scrolling, direction, loading scripts, starting, stopping, etc... • Integrates with the News productions systems <hr/> Camera Chain to IP <ul style="list-style-type: none"> • 3x Studio Camera chains with Robotics • Must be at least full HD (1080) • 2x pedestal kits (adjustable height) (where teleprompter is also mounted) • 1x Tripod Kit <hr/> Talent Monitor (Set design to be included) <ul style="list-style-type: none"> • 21 inches

	<ul style="list-style-type: none"> Mounted on the same bracket as the teleprompter and perpendicular to it.
	Confidence video monitor with News Systems monitor next to it <ul style="list-style-type: none"> 2x 55 inch Height Adjustable Stand with wheels Explore mounted versus stand on wheels
	Wireless Microphone System (RF) <ul style="list-style-type: none"> 4x Microphones 4x Wireless IFB with resiliency
	Set Design (Fully digital) <ul style="list-style-type: none"> Screen/Screens as a backdrop Presentation Table for Presenters <ul style="list-style-type: none"> Standing presentation Sitting presentation
	Lights <ul style="list-style-type: none"> LED lights – temperature adjustable and with DMX splitters Truss Mounted (lighting grid)
	Tally System (tally cue lights)
Control Room	Remote access to monitor and configure entire IP system off-site Orchestration, management, etc
	Audio Mixer: 16 channel IP- Live Wire
	Video Mixer (Production Switcher) - 16 channel IP
	<ul style="list-style-type: none"> How control size of control panels? Core hardware will be installed in equipment room (keep this in data room) Support standard DVEs Up to 4 MEs At least 2 media store channels for video playback and stills Have user-configurable clock in locked to the studio's clock <ul style="list-style-type: none"> Can be resized and positioned anywhere on the multiviewer Have built-in multiviewers (at least two) <ul style="list-style-type: none"> Up to 16 screens User-selectable layouts, tally, UMD for each source Virtual set <ul style="list-style-type: none"> Explore Static green screen versus permanent screens Tangible sets versus video walls and video wall driver (16x9) Presenter Furniture - with screens in front of it Video playout system must have a loop function. How many screens? How are they overlapping – or is it a graphic system driving it? Dependency – cameras - robotics
	Audio Monitoring
	Character Generator (1080i50) <ul style="list-style-type: none"> At least two channels and preview Integrated CG, still store, 2D & 3D DVE and 3D timeline tools Back to back 3D graphics facility within single timeline Suited to News and Sports
	Video Wall and Multi-viewers (Size dependent on design submission) <ul style="list-style-type: none"> Multi-viewers and screens are determined by the number of sources to monitor and subsequently comfortably viewing distance from controller.

	<ul style="list-style-type: none"> • separate viewers Broadcast Colour align able (for production 10 feeds and monitoring 16 feeds) • Broadcast colour align able with probe to broadcast standard
Multi-Media monitoring (Dependencies on Multi-View Decoders) All monitoring to be done on computers	Stream all live feeds over IP <ul style="list-style-type: none"> • VOD – access to news production system proxy files To be available to <ul style="list-style-type: none"> • 5x Edit suites • Radio Control Room • Radio Studio • All Journalist computers (30) • Link to all TVS throughout area (Set Top Boxes) Office monitoring over IP <ul style="list-style-type: none"> • Users – 25local and unlimited nationally
Coms	Matrix in Data Room - 24 channel Matrix
	15 x Coms Panels <ul style="list-style-type: none"> • 5x Edit Suites • 1x Radio Control Room • 1x Radio Studio • 4x TV Control Room • 2x Data Room • 2x OB Kits
	Single Line Hybrids <ul style="list-style-type: none"> • 5x Edit Suites • 2x TV Control
	Multi line Hybrid - 1x Radio Studio 2x Wireless Belt Packs
Radio Control Room Video feeds from TV Control Room / Packaging studio	<ul style="list-style-type: none"> • Mixer – 8 channels with live wire / AE67 with converters • 1x Microphone with stand • Drywalling to be removed and re-erected to increase Radio Studio Size • Audio Monitors (computer) (mounting brackets included) • Video contribution/recording/packaging solution • IP Cameras for Visual Radio (PTZ Cameras) (support transport protocols) (Mounting to be part of solution)
Radio Studio	<ul style="list-style-type: none"> • 1x Microphone (Hanging) • TV – 2x feeds with screens • IP Cameras for Visual Radio (PTZ Cameras) (support transport protocols) (Mounting to be part of solution)

6. GENERAL INFORMATION

Contact Persons for Queries

Enquiries in respect of this RFI should be addressed to:

SCM Division

E-mail: tenderqueries@sabc.co.za

All queries to be e-mailed the above e-mail address

7. RFI SUBMISSION INFORMATION

Electronic submissions may be emailed to and RFPSubmissions@sabc.co.za

Please indicate RFI number on the subject line.

END OF THE REQUEST FOR INFORMATION DOCUMENT