

## **Specifications for Supply, Deliver and Install a Multiviewer Server to Monitor and Decode DTH Radio & TV Broadcast Services**

### **BACKGROUND**

Sentech owns and operates a number of terrestrial television and radio transmitter networks spread throughout the country and has public, community and commercial broadcasters as customers. Sentech further operates business radio and TV services on Satellite platforms. Sentech therefore requires the supply, delivery and installation of a Multiviewer monitoring system to monitor and decode DTH Radio & TV broadcast services.

Sentech is looking for a service provider to provide a Multiviewer monitoring system for satellite services at the C- and KU-Band facilities. The system is required to be able to monitor DTH radio & TV services on a monitor for all services 24 Video and 8 Audio Services.

- Remote configuration.
- Remote monitoring.

<b>Item No.</b>	<b>Description</b>	<b>Attach evidence and provide reference page number in your proposal</b>
1.	Server Frame should be mountable in 19" Rack	
2.	Video Format: SD and HD decoding:	
3.	Video windows 24 channels: 16 SD and 8 HD Radio or Audio windows 8 Channels	
4.	Video Compression: MPEG 2 /H264 / HEVC	
5.	Audio Compression: MPEG L2 / AAC / MPEG 4 HE-AAC	
6.	Video Alarms: Black frame detection / Freeze Frame Detection / Macro blocking	
7.	Audio Alarms: Silence	
8.	Front end: IP MPEG 2 TS and ASI	
9.	Hardware and Software: Scalability /4 X Display ports	
10.	49" TV Screens and TV Brackets	
11.	Training for Technicians	

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**Directors:** Sedzani Mudau (Chairperson), Veronica Motloutsi, Mapuleng Maropa, Tshavhuyo Sesane, Themba Phiri, Nkhumeleni Mudunungu, Mbasa Metuse, (ED & CEO) Mlamli Boo, (ED & Acting CFO) Rudzani Rasikhinya CA(SA), & (ED & COO) Tebogo Leshope.

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