

## Briefing session questions for the following tender

### TA135-RFP/TVO/2020/30-HENLEY NEWS BRANDING AND GRAPHICS

#### Questions & Answers

**Question 1)** When the system would be deployed? As customization is required can you give us some details about timeframe - to know how many days we may have between announcing the winner and system deployment (this would be our time frame for customization which may be too short)

**RFP Answer:** According to the SCM process probably around April 2020. Please inform us of your required timelines to customize you systems and integrations.

**Question 2)** How do you plan for creative services do you require any graphics conversion services if so how many templates (assuming new cg system is chosen) or will SABC be trained on the new cg system and SABC will plan the template conversion themselves?

**RFP Answer:**

Training of the SABC personnel can assist with the development of the templates from the existing graphics setup and house styles used to generate the new templates on the new systems. The graphics creation team can only benefit in their growth and development by using the new system to generate the necessary graphics for on-air usage.

The RFP is clear regarding the in-depth training and migrations that are required.

6. CONSULTATION					
6.1	The SABC requires a bidder/s to deliver a solution to; <ul style="list-style-type: none"><li>map the current workflows</li><li>design the new workflows</li><li>integrate and configure the functional system</li><li>Based on workflow the service provider will be required to compile detailed SOP's that will be used during training</li></ul> in order to streamline workflows with News broadcasting best practises. <b>Bidder to provide costing for the above services</b>		5	5	

9. COMMISSIONING					
	Although the RFQ does require commissioning documentation it will be a great help for each unit/device or system that is implemented to include its function in the studio/facility as a whole with the possible costing and time required. Comprehensive commissioning and test documentation will need to be provided as part of the project delivery according to the Studio Technology Installation Standards  <b>Note:</b> <ul style="list-style-type: none"><li>The final acceptance will be concluded after the handholding and go-live process.</li><li>The current News Graphics Playout System is live therefore any migration and change-over to the new solution is required to run in parallel with the old existing system to avoid any on-air disruptions.</li></ul>				
9.1	System configurations testing to support the new proposed functional workflows are required (must be included as part of project schedule). Commissioning		10	10	

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	<ul style="list-style-type: none"> <li>Quality acceptance; for the installation of the solution,</li> <li>User acceptance testing (UAT),</li> <li>Commissioning documentations from the bidder to comply with the offered system.</li> </ul> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>The final acceptance will be concluded after the handholding and go-live process.</li> </ul> <p><b>Bidder to commit to these requirements.</b></p>				
<b>9.2</b>	<p>The current News Branding and Graphics Payout System is live therefore any migration and change-over is required to run in parallel with the old existing system to avoid any on-air disruptions.</p> <p><b>Bidder to commit to these requirements.</b></p>		5	5	
<b>10. CHANGE MANAGEMENT</b>					
	<p>Although the final details regarding the roll-out will be considered with the final design and project plan it is necessary to determine possible skill sets for differing disciplines and requirements prior to training.</p> <p><b>Bidder to include the following in the “change management plan”:</b></p>				
<b>10.1</b>	<p>Initial <b>System Overview</b> training for both technical (20x) and super users to understand the system.</p> <p><b>(Bidder to include in plan)</b></p>		10	10	
<b>10.2</b>	<p>Both technical (20x) and super users assist in <b>developing workflows</b>.</p> <p><b>(Bidder to include in plan)</b></p>		10	10	
<b>10.3</b>	<p>Technical implementation will include setting up the system after the above processes are completed.</p> <p><b>(Bidder to include in plan)</b></p>		10	10	
<b>10.4</b>	<p>Completion of the improved workflows will give rise to detailed <b>super user and technical</b> training.</p> <p><b>(Bidder to include in plan)</b></p>		10	10	
<b>10.5</b>	<p><b>The migration of the end user will require:</b></p> <p><b>The number of end and super-users: +/-300</b></p>				
<b>10.5.1</b>	<p><b>Marketing and creating awareness</b> of the user changes and migrations</p> <p><b>(Bidder to include in plan)</b></p>		10	10	
<b>10.5.2</b>	<p><b>Operational training</b></p> <p><b>(Bidder to include in plan)</b></p>		10	10	

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10.5.3	Operational training will identify the champions that will require additional <b>train the trainer course</b> (10x) <b>(Bidder to include in plan)</b>	10	10	
10.5.4	Adaptation to the <b>new workflows</b> and setting up Standard operations Procedures (SOPs) <b>(Bidder to include in plan)</b>	10	10	
10.5.5	<b>Handholding</b> The systematic assistance provided by the implementation team is core to establish confident operational usage of the system, with dry-runs and establishing functional workflows. <b>(Bidder to include in plan)</b>	10	10	
10.5.6	<b>Go-LIVE</b> 28 consecutive days (7 days per studio) of fault free system on-air usage to establish the full system functionality and workflows. <b>(Bidder to include in plan)</b>	10	10	

**Question 3)** Video wall requires 2 inputs. Were the screens would be 32:9 where 2 videos should be joined (video wall processor required, does it exists already?) or you will use two separated 16:9 screens? If it is 32:9 do you plan to mix Graphics and live video DVE at the same scene?

**RFP Answer:** The CG output will be 16:9 and drive separate input of video screens or an exist system video wall driver that has 2 separate HD inputs.

**Question 4)** Is it possible for us to get a project plan as to how all these projects will roll out and Milestones to be achieved? Timing will be crucial.

**RFP Answer:** Bidders as mentioned in the briefing sessions are to provide your project schedule with the RFP response. The SABC will subsequently, evaluate the other RFP tender response schedules in which case it will assist to readjust the timelines so that all three projects and milestones can be achieved together or stagnated in a manner that will meet the SABC's objectives. The supplier must provide any assumptions that were used to create the schedules.

**Question 5)** Regarding 2110...so, all system hardware should support both HD SDI and 2110 or should be up-gradable to 2110 later

**RFP Answer:** We request all systems to be SMPTE ST2110 and the delivery of interfacing 2110 to SDI for each interface as stipulated in the RFP document.

**Question 6)** I'd like to clarify what is meant by Ch1 and Ch 2 in the playout system. You mention the 2nd channel is a preview. So NOT two independent channels of output

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**RFP Answer:** We requested 2 fully functional channels; each channel has a Key and Fill.

**Question 7)** 5.10.1 Each studio requires a DSK Unit, Bidder to provide 5x units - How will this be triggered?

**RFP Answer:** The trigger will be manual operations; toggle key-in, key-out.

<b>5.10</b>	<b>Downstream Keyer (DSK)</b> <b>Non-compliance = 0 points</b>				
<b>5.10.1</b>	Each studio requires a DSK Unit, Bidder to provide 5x units		10	10	
<b>5.10.2</b>	The DSK unit will be added in the studio output path. It will require hardware failover, i.e. when the system fails it will be required to have a default by pass to ensure the failed unit will not affect the studio's output path. Bidder to provide DSK units with fail-over.		10	10	

**Question 8)** Will you use AR/VS engines as CG as well, or they are dedicated to AR/VS only?

**RFP Answer:** AR will be dedicated for its task and the CG for its task. But nothing stops us from using the AR output to be keyed in the studio without tracking.

**Question 9)** Could you clarify the 2110 ?

**RFP Answer:** SMPTE ST 2110, <https://www.smpste.org/smpste-st-2110-faq>

**Question 10)** How many NLE Systems and which NLE Platform?

**RFP Answer:** 20 NLE systems, NLE platforms is Adobe CC Production Premier and or FCP please have both solutions as options.

**Question 11)** Any Reasons for a Dual Channel output in Designing Systems?

**RFP Answer:** The operations have dual channels in the studios, the Creation team have two Dual channels which will assist them to be able to monitor there template builds for transitions mixing for position and act as a backup unit for the studios should there be any issues with the existing studio systems.

**Question 12)** Is there a DR site and what is the connection data rate and format?

**RFP Answer:** The DR will be in another building at this point it is in the Henley Server Room. Question what is the suggested connection data rate.

**Question 13)** 3.1.3.1

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The following applications: Instagram (pictures & text), WhatsApp/ Viber (text, audio, images & short video clips) etc.;

Systems for reception of WhatsApp, Viber, Tik-Tok, WeChat and similar should be custom built.

**Question:** Do you accept the system where all these sources are available on the same GUI, then operator would perform manual filtering (moderation) and push material to Database from where graphics system would parse the data? User-name and parameter from which platform content came would be inserted into the database. There are several points (below) where this question could be applied.

#### RFP Answer:


The requirement is as stipulated in the RFP point 3.1.3.1

##### Data/Content Moderator tools

Templates and/or tickers for Social Media playout require a Moderation or Curation tool to moderate the “posted” data.

The Data\Content moderation tool/s other than NRS to moderate media\data from SMS's, Headlines, Facebook, twitter, Instagram transactions is required to at least incorporate the following:

Bidder to provide solution for a suitable solution

3.1	Data (text and multimedia) gathering, capturing and downloading for Graphics Playout				
	 <p>The bidder to supply a <b>tool or tools</b> that can assist the SABC Graphics with the following:</p>				
3.1.3	Data/Content Moderator tools				
	<p><b>Templates and/or tickers for Social Media playout require a Moderation or Curation tool to moderate the “posted” data.</b></p> <p><b>The Data\Content</b> moderation tool/s other than NRS to moderate media\data from SMS's, Headlines, Facebook, twitter, Instagram transactions is required to at least incorporate the following:</p>				
3.1.3.1	<ul style="list-style-type: none"> <li>○ Social Media; twitter, Facebook, etc. (includes data message, profile pictures and media content);</li> </ul> <p><b>2 points</b></p> <ul style="list-style-type: none"> <li>○ XML files or streams, RSS, SMS, csv, text;</li> </ul> <p><b>2 points</b></p> <ul style="list-style-type: none"> <li>○ Emails;</li> </ul> <p><b>2 points</b></p>		16	14	

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	<ul style="list-style-type: none"> <li>o The following applications: Instagram (pictures &amp; text), WhatsApp/ Viber (text, audio, images &amp; short video clips) etc.;</li> </ul> <p><b>2 points</b></p> <ul style="list-style-type: none"> <li>o Web pages and URL's;</li> </ul> <p><b>2 points</b></p> <ul style="list-style-type: none"> <li>o Other integration requirements:</li> </ul> <p><b>2 points</b></p> <ul style="list-style-type: none"> <li>o Database interface plug-in;</li> </ul> <p><b>2 points</b></p> <ul style="list-style-type: none"> <li>o Newsroom system integration and data pushes/pulls.</li> </ul> <p><b>2 points</b></p>						
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#### Question 14) 3.1.4.1

SMS Server to feed moderation tool via URL;

**For SMS integration usually SMS gateway is required, which could involve contract between SABC and Mobile provider. Could you confirm that Mobile provider would allow this gateway?**

#### **RFP Answer:**

Yes – SMS service provider is currently already in place to allow this gateway with the SABC linking into URLs polled download and SMS stream.

3.1	Data (text and multimedia) gathering, capturing and downloading for Graphics Playout					
3.1.4	SMS (Short-Message-Service) /WhatsApp sent by the public for viewer opinions. <b>Non-compliance = 0 points</b>					
3.1.4.1	SMS Server to feed moderation tool via URL;		5	5		

#### Question 15) 3.4.1.4

Video inputs and outputs (system is required to work with ST2110 –the vendor to supply the digital glue for the 2110 to SDI and visa versa converters) IP 2110 for HD video inputs and outputs; HD (1920x1080) 1080i50 or EBU 1080i/25 (25frames)

**Could you confirm that not all Graphics units require IP output? For example, branding and Studio CG would need most probably both SDI and IP, but Touchscreen, Videowall may have SDI only. Or, you need all CGs to have both SDI and IP (some are achieved adding convertors)?**

#### **RFP Answer:**

The SABC is busy with a project that will move the infrastructure to SMPTE ST2110, all new capex investments are based on SMPTE 2110. The result is all equipment purchased will be SMPTE ST2110 and if they are placed in old SDI infrastructures they will need conversion equipment.

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Most of the video wall will either be displays which currently have a HD/SDI to HDMI converter or have video wall driver/s which have HD/SDI inputs which can be fed with mixed/keyed feeds from the vision mixer ME2.

The systems /equipment/ devices requested is required to be ST2110 I/O.

The Vendor/Bidder to supply the digital glue for the ST2110 to HD/SDI and visa versa converters.

SMPTE ST2110 for HD video inputs and outputs; HD (1920x1080) 1080i50 or EBU 1080i/25 (25frames)

3.4	TV Graphics Branding and Live on-air payout				
3.4.1	<div><div></div><div></div><div></div></div>				
The Graphical Playout and Branding play-out devices also require the following:					
3.4.1.4	Video inputs and outputs (system is required to work with ST2110 –the vendor to supply the digital glue for the 2110 to SDI and visa versa converters) IP 2110 for HD video inputs and outputs; HD (1920x1080) 1080i50 or EBU 1080i/25 (25frames)			5	5

#### Question 16) 3.4.2.7



Web portal integration; allow a real-time connection to a web page to display it through the payout interface

Could you give more details, please? To embed selected Webpage into CG design or other?

#### RFP Answer:

The benefit to display live web pages using the Playout graphics system has become a necessity, as it brings web page or on-line discussion possibility for e.g. to a video wall presentation. How can this be achieved should a CG template be used? Could it be a template with a live video input from a screen capture system or the like or a template that links to opening a direct URL on-line web page interface.

Bidder to provide a resolution to enable a solution.

3.4	TV Graphics Branding and Live on-air payout				
3.4.2	<div><div><p><b>Graphics Play-out system</b></p></div><div><p><b>Graphics Play-out system</b></p></div></div> <p><b>The Graphical Play-out devices are required to, but not limited to the following:</b></p>				
3.4.2.7	Web portal integration; allow a real-time connection to a web page to display it through the payout interface.		5	5	

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#### Question 17) 3.4.2.8.6

Indicate if your system can do Ray-Tracing

Ray-Tracing is standard feature of Unreal engines, which is not made for convenient Text processing. Will you accept compliance is Ray-Tracing is available on AR engines only?

#### RFP Answer:

The Ray-Tracing is a feature which is a “nice to have” thus the system for 3.4 does not need to have Ray-Tracing necessarily because the answer allows a minimum of 0 which is non-compliant.

3.4	TV Graphics Branding and Live on-air playout				
3.4.2	 <p>The Graphical Play-out devices are required to, but not limited to the following:</p>				
3.4.2.8	Required operational functionality and effects:				
	<p>A “Partially Comply” statement, non-response, or response without detail will be seen as “Non-Compliant”.</p> <p>In the last column share <b>proof of compliance</b> i.e. <b>page number or document number of proposal</b>. See e.g. 11.1 Technical Response Format</p>	Bidders to indicate compliance	Max Points	Min Points	Compliance response; Vendor commitment and or page reference for provided supporting information
3.4.2.8.6	<ul style="list-style-type: none"> <li>Indicate if your system can do Ray-Tracing.</li> </ul>		5	0	

#### Question 18) 3.5.4

Interface or display for incoming Twitter, WhatsApp, tik-tok and Facebook messages; chats; WeChat, WhatsApp, Snap Chat; Allow embedded downloadable Apps to be used on the same UI

Systems for reception of WhatsApp, Viber, Tik-Tok, WeChat and similar should be custom built.

Do you accept the system where all these sources are available on the same GUI, then operator would perform manual filtering (moderation) and push material to Database from where graphics system would parse the data? User-name and parameter from which platform content came would be inserted into the database. There are several points (below) where this question could be applied.



#### RFP Answer:

Yes all processes can be on the same system so the presenter can interactively present live on-air engaging with Live active and moderated driven, configuration enabled social media. The Moderated or curated system is defined in 3.1.

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3.5	 <p><b>Presenter Multi-Touch Production tool</b></p> <p><b>An Interactive Presenter Illustration/Analysis Tool</b></p>				
	<p>The aim is for the presenter to interact with a predefined on-air display. The user interface allows illustrations of pre-set or automated information, media, data &amp; internet pages and/or applications. Although the tools are available, some customisation will be required for focused disciplines.</p>				
3.5.4	<p>Social media</p> <ul style="list-style-type: none"> <li>Interface or display for incoming Twitter, WhatsApp, tik-tok and Facebook messages</li> <li>Live active and moderated driven, configuration enabled accordingly</li> <li>chats; WeChat, WhatsApp, Snap Chat</li> <li>Facebook Live</li> <li>Instagram</li> <li>Pinterest</li> <li>Allow embedded downloadable Apps to be used on the same UI</li> </ul>	10	10		
3.1	<p><b>Data (text and multimedia) gathering, capturing and downloading for Graphics Playout</b></p>				
	 <p>The bidder to supply a <b>tool or tools</b> that can assist the SABC Graphics with the following:</p>				
3.1.1	<p>Harvesting, ingesting, capturing and downloading from on-line platforms.</p> <p>The solution requires a tool/s to allow analysis, data trends, trending stories/topics and social media opinions and polling/voting information which include data and graphics. (e.g. twitter, Facebook, Instagram, tik-tok etc.):</p>				
3.1.1.1	<p>Bidder to supply tool/s that can access the above services to allow data, graphics to be interpreted and customised for broadcast.</p>	5	5		
3.1.2	<p>Automatic data updated information; weather, Economics data for the Branding, Studio Graphics Playout and Template Repurposing systems to use.</p> <p>Bidder to indicate how this can be achieved.</p>	5	5		

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3.1.3	Data/Content Moderator tools				
	<p>Templates and/or tickers for Social Media payout require a Moderation or Curation tool to moderate the “posted” data.</p> <p>The Data\Content moderation tool/s other than NRS to moderate media\data from SMS's, Headlines, Facebook, twitter, Instagram transactions is required to at least incorporate the following:</p> <p><b>Non-compliance = 0 points</b></p>				
3.1.3.1	<ul style="list-style-type: none"> <li>o Social Media; twitter, Facebook, etc. (includes data message, profile pictures and media content);</li> <li>o XML files or streams, RSS, SMS, csv, text;</li> <li>o Emails;</li> <li>o The following applications: Instagram (pictures &amp; text), WhatsApp/ Viber (text, audio, images &amp; short video clips) etc.;</li> <li>o Web pages and URL's;</li> <li>o Other integration requirements:</li> <li>o Database interface plug-in;</li> <li>o Newsroom system integration and data pushes/pulls.</li> </ul>		16	14	
3.1.3.2	Indicate your development plans regarding new merging online applications		5	5	
3.1.4	SMS (Short-Message-Service) /WhatsApp sent by the public for viewer opinions.				
3.1.4.1	SMS Server to feed moderation tool via URL;		5	5	
3.1.4.2	Automatic data updated information;		5	5	
3.1.4.3	Moderated data which allows the content to be filtered to focus that needs to be illustrated.		5	5	

#### Question 19) 3.5.5

Other relevant Apps to consider: Email ; Office: Word, Excel & PowerPoint.; pdf; Webpage- Presenter calling up of a web page for discussion using the web page setup for studio use in HD.

**As all these application would require moderation, can we use the same application specified in 5.2.10.1 (two workstations for moderation and curation)?**

#### **RFP Answer:**


Yes the also defined in RFP 3.1 as shown in the question above.


The Moderation system is essential to allow a quick check of automated and trusted data and focused operational select data interrogations to be selected for on-air data pushes publishes and posts.

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3.5	 <p><b>Presenter Multi-Touch Production tool</b></p> <p><b>An Interactive Presenter Illustration/Analysis Tool</b></p>
	<p>The aim is for the presenter to interact with a predefined on-air display. The user interface allows illustrations of pre-set or automated information, media, data &amp; internet pages and/or applications. Although the tools are available, some customisation will be required for focused disciplines.</p>
3.5.5	<p>Other relevant Apps to consider</p> <ul style="list-style-type: none"> <li>○ Email</li> <li>○ <b>= 5 points</b></li> <li>○ Office: Word, Excel &amp; PowerPoint.</li> <li>○ <b>= 5 points</b></li> <li>○ pdf <b>= 5 points</b></li> <li>○ Webpage- Presenter calling up of a web page for discussion using the web page setup for studio use in HD.</li> <li>○ <b>= 5 points</b></li> </ul>

5.2.10	<b>Graphics Moderation System/ solutions</b>
	 <p>All data cannot be taken directly to air due to vetting requirements or ensuring accuracy or source legitimacy, language usage avoiding profanity and making sense of information, i.e. finding useful opinion polls or statically information or survey information etc.. The Moderation system is essential to allow a quick check of automated and trusted data and focused operational select data interrogations to be selected for on-air data pushes publishes and posts.</p> <p><b>The following is required:</b></p>
5.2.10.1	<p>Two (2) systems will be required to centrally Moderate or Curate the data for on-air use.</p>

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##### Question 20) 3.5.8

Mapping to view traffic or maps with street view, Google connect.

Would you considered Compliant solution based on "Open Street Maps" rather than Google connect? Many features are exceeding Google.


#### RFP Answer:

**Correction it is not "Google connect" but "Google Maps";**

The standard on-line Google Maps has a periodic update of street views and traffic is South Africa, with available streets internationally. The view from Google street names and new roads are updated regularly and the system has an updated reference for the viewer.

Google Maps is what was requested.

The Bidder is welcome to suggest their own solutions with all the available features and possibilities as a proposed alternative and option in the costings.

3.5	 <p><b>Presenter Multi-Touch Production tool</b></p> <p><b>An Interactive Presenter Illustration/Analysis Tool</b></p>				
	The aim is for the presenter to interact with a predefined on-air display. The user interface allows illustrations of pre-set or automated information, media, data & internet pages and/or applications. Although the tools are available, some customisation will be required for focused disciplines.				
3.5.8	<p>Preset websites</p> <ul style="list-style-type: none"><li>○ Mapping to view traffic or maps with street view, Google <del>connect</del> Maps</li><li>○ Predefined addresses of interest</li><li>○ YouTube points of interest</li><li>○ Streaming videos or viewing of pictures</li></ul>			8	8

##### Question 21) 3.5.12

Allow the Newsroom to be displayed in a simplistic rundown format; Newsroom scripts and rundown activation NRCS/NPS list of predefined stories that allow stories to be played as they would in the bulletin  
**Once driven by NRCS, Graphics rundown would be created accordingly. Is that what is required here?**


#### RFP Answer:

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No this is not the graphics interface or graphics related but the actual operations Newsroom UI Running Order as seen on the NRS workstations.

3.5	 <p><b>Presenter Multi-Touch Production tool</b></p> <p><b>An Interactive Presenter Illustration/Analysis Tool</b></p>
	<p>The aim is for the presenter to interact with a predefined on-air display. The user interface allows illustrations of pre-set or automated information, media, data &amp; internet pages and/or applications. Although the tools are available, some customisation will be required for focused disciplines.</p>
3.5.12	<p>For News:</p> <ul style="list-style-type: none"> <li>○ Allow the Newsroom to be displayed in a simplistic rundown format</li> <li>○ Newsroom scripts and rundown activation NRCS/NPS list of predefined stories that allow stories to be played as they would in the bulletin</li> <li>○ Allow breaking stories to be done</li> <li>○ Interactive Social Media harvests based on breaking stories and events</li> </ul>

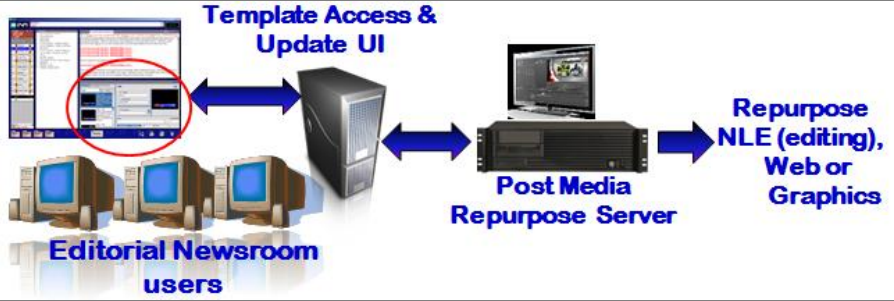
#### Question 22) 3.7.4

Added features for digital on-line publications

Could you give more details here or give an example, please?

#### RFP Answer:

Templates populated with picture/s, graphics, animations or rendered movie elements for Web page inserts or polled updates of full graphics or element animated graphics can be used as graphics to web pages or elements for keyed graphics for IP or YouTube streamed video; e.g. Lower third of presenter name that can be keyed in for a live video stream using WireCast or VMix applications.

3.7	<p><b>Repurposing the Playout Graphics for other SABC platforms</b></p> 
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3.7.4	Added features for digital on-line publications.		5	5	
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#### Question 23) 5.1.2

The bidder needs to provide SDI conversion cards to allow the new SMPTE ST-2110 systems to integrate with the current Studio and Graphics facilities

Could you confirm that not all Graphics units require IP output? For example, branding and Studio CG would need most probably both SDI and IP, but Touchscreen, Videowall may have SDI only. Or, you need all CGs to have both SDI and IP (some are achieved adding convertors)?

#### RFP Answer:

The SABC is busy with a project that will move the infrastructure to SMPTE ST2110, all new capex investments are based on SMPTE 2110. The result is all equipment purchased will be SMPTE ST2110 and if they are placed in old SDI infrastructures they will need conversion equipment.

Most of the video wall will either be displays which currently have a HD/SDI to HDMI converter or have video wall driver/s which have HD/SDI inputs which can be fed with mixed/keyed feeds from the vision mixer ME2.

The systems /equipment/ devices requested is required to be ST2110 I/O.

The Vendor/Bidder to supply the digital glue for the ST2110 to HD/SDI and visa versa converters.

SMPTE ST2110 for HD video inputs and outputs; HD (1920x1080) 1080i50 or EBU 1080i/25 (25frames)

## 5 Technical Requirements

The following is required on some of the systems please specify wherever applicable:

The quoted equipment must comply with the following specifications:

5.1	<b>Technical Information and standards</b> <b>The SABC is in the process of migrating to SMPTE ST2110; with the process gaining momentum, the studios and facilities are currently still in HD.</b> <b>Non-compliance = 0 points</b>				
5.1.1	The Solution/s are required to be SMPTE ST-2110 format agnostic but HD will be produced - 1080i50 standard. Or EBU 1080i/25 HD 1920x1080i 25frames/sec		5	5	
5.1.2	The bidder needs to provide SDI conversion cards to allow the new SMPTE ST-2110 systems to integrate with the current Studio and Graphics facilities.		10	10	

#### Question 24) 5.2.3.1

2x Graphics Playout solutions to modify content on templates and play them out with tablet Application Control; Each with one (1) input video channel (key and fill) and two (2) output video channels (each with Key and Fill)

Could you explain the quantities required? Are there 2 individual screens with HD resolution? Where 2 output Fill+Key pairs would be connected (isn't only one Fill output per screen

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sufficient)? Do you have screens with for example 32:9 and 2xHD resolution where input graphics should be pixel-accurately merged?

#### RFP Answer:

The SABC is busy with a project that will move the infrastructure to SMPTE ST2110, all new capex investments are based on SMPTE 2110. The result is all equipment purchased will be SMPTE ST2110 and if they are placed in old SDI infrastructures they will need conversion equipment.

Most of the video wall will either be displays which currently have a HD/SDI to HDMI converter or have video wall driver/s which have HD/SDI inputs which can be fed with mixed/keyed feeds from the vision mixer ME2. Due to the integration requirements with the Vision Mixer Key and Fill will be a requirement for each output feed.

5.2	<b>Systems Technical details</b>			
	<p>To accommodate the above functional features and requirements, the equipment systems Hardware and software solutions are required as listed below:</p> <p>Hardware and software to accommodate the above features and functional requirements, listed below:</p>			
5.2.3	<b>TV Graphics Playout solution for the Video Wall</b>			
	<p>The following is required for the TV Graphics Playout solution for the presenter to control the Video Wall:</p> <p><b>Non-compliance = 0 points</b></p>			
5.2.3.1	<p>2x Graphics Playout solutions to modify content on templates and play them out with tablet Application Control,</p> <p>Each with one (1) input video channel (key and fill) and two (2) output video channels (each with Key and Fill)</p>		5	5

#### Question 25) 5.2.4

TV Social Media Graphics Playout solutions

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Why do you need a dedicated Graphics playout engines for Social content only? Assuming that each (Studio or Branding) graphics engine has unlimited number of layers, Social content could be just one (or 10 if you need) additional layer as ticker, roll, pop-up or any. You will save also on keyers (and video switcher/router inputs). Clients could manage which of Social media content (which layer) would be active. Also, if it is about branding, Automation is capable to control each graphics layer. Or, you still prefer 6 separate units?

#### RFP Answer:

Separate units are required operationally due to manual preparation and monitoring before live playout is done and will be dedicated for it purpose. Furthermore the Newsroom system can have locked dedicated control of the two main graphic channels to keep the planned Running Order uninterrupted.

5.2.4	TV Social Media Graphics Playout solutions			
	 <p>The following is required for the Studio Social Media Graphics Playout:</p>			
5.2.4.1	The supply of solution that enables tools to help moderate and directly display social media content as a live output.		5	5
5.2.4.2	6x Social Media Playout solutions to playout single channel Fill and Keyed social media content /straps.		5	5
5.2.4.3	6x Social Media Playout solutions to playout single channel Fill and Keyed social media content /straps.		5	5
5.2.4.4	<p>The capability to playout movie clips will require the ability to playout Audio clips as well.</p> <p>Bidder to add audio playback capability for this solution as an option.</p> <p>No audio playout = 0 Points</p>		5	5

#### Question 26) 5.2.6.1

We have confirmed above that the software application that embeds within the NRS is required for the users for the graphical template authoring. Approximately 500 news journalist or editorial staff need to access and author the graphics with input data; The Authoring software required will need no more than 300x concurrent users to add data to update the templates in the NRS UI.

Bidder to supply the Authoring Software

Could you specify the final number of concurrent licenses required, shall we assume that you need 300 licenses?


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#### RFP Answer:

As per RFP 300x Concurrent users licenses were requested.

5.2.6	Editorial/ Newsroom Graphics Template Authoring System/ solution			
	 <p>The following is required for the Graphics Template Authoring software:</p>			
5.2.6.1	<p>We have confirmed above that the software application that embeds within the NRS is required for the users for the graphical template authoring. Approximately 500 news journalist or editorial staff need to access and author the graphics with input data.</p> <p>The Authoring software required will need no more than 300x concurrent users to add data to update the templates in the NRS UI.</p> <p>Bidder to supply the Authoring Software.</p>	10	10	
	<p><b>Note for the Bidder</b> section “IT and Systems (Hardware and Software)”</p> <p>The <b>bidder is required to recommend</b> the computer specifications for the Editorial template editing and data population with the rendered preview of the populated graphics template. The editing software will be incorporated or embedded within Newsroom user interface (e.g. ActiveX or API integration). The PCs will be sourced and supplied by the SABC IT department.</p>			

#### Question 27) 5.2.5.1

9x Branding Graphics Playout systems are required. FCC squeeze backs and banners may use. Where are these going to be installed, in the current FCC's?

#### RFP Answer:

The 9X Branding Playout systems can be installed in any of the following 4 areas:

- At the channel Playout FCCs, any of the 6 FCCs to either work for one channel or be used distributed for more than one channel.
- In the News Studios either implemented in individual studios or one system distributed to several studio.
- In the Sport Production V10 facility.

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##### Question 28)

Will we get support from vendors like, Adobe Creative Cloud, for the Newsroom and News Production Playout Systems?

##### RFP Answer:

The Bidder is to negotiate support directly with the OEM SABC (Newsroom Computer System, News Production System and Adobe Creative Cloud) products to ensure integration is achieved and is supported for the life of the implemented solution.


Integration will be the sole responsibility of the Bidder who needs to negotiate with the OEM of these systems to integrate the infrastructure, functionality and workflows required as specified in the RFP. All related integration cost (licensing, development and so on) between the Bidders offered solution and OEM products at the SABC must be included in the proposal. The Bidder will be responsible for the bilateral and any other agreement for the offered solution and the OEM product integration, i.e. the SABC will only contract with the successful Bidder supplying the integrated solution.

##### Question 29) 5.2.5 TV Graphics Branding Playout

Does “FCC” here refer to “Final Control Center” ?

##### RFP Answer:

Yes, where the channel playout is done.

5.2.5	TV Graphics Branding Playout			
	 <p>The following is required for the TV Graphic Branding Playout:</p>			
5.2.5.1	9x Branding Graphics Playout systems are required		5	5
	FCC squeeze backs and banners may use			
	The systems will either be installed as Upstream or Downstream (DSK)			

##### Question 30) 5.2.3 - TV Graphics Playout solution for the Video Wall

What is the make of the current video wall ?

##### RFP Answer:

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This is not relevant , each output can be taken either through the vision mixer to insert key and fill input/s as a feed back to the Video wall or large display or directly into the video wall drivers HDMI or SDI input/s.

**Question 31) Does the video have separate Key and Fill inputs?**

#### **RFP Answer:**

Most of the video wall will either be displays which currently have a HD/SDI to HDMI converter or have video wall driver/s which have HD/SDI inputs which can be fed with mixed/keyed feeds from the vision mixer ME2. Due to the integration requirements with the Vision Mixer Key and Fill will be a requirement for each output feed.

5.2.3	TV Graphics Playout solution for the Video Wall
	 <p>The following is required for the TV Graphics Playout solution for the presenter to control the Video Wall:</p>
5.2.3.1	<p>2x Graphics Playout solutions to modify content on templates and play them out with tablet Application Control,</p> <p>Each with one (1) input video channel (key and fill) and two (2) output video channels (each with Key and Fill)</p>
5.2.3.2	<p>The Solution needs to allow scheduled control and manual over-ride with or without tablet control.</p> <p>i.e. To have one graphics playout as a live feed to the video wall to ensure the content can be planned and played out as required with a play list linked to the planned schedule.</p> <p>Presenter tablet control of the playout graphics on video wall graphics\templates. The presenter having access to control one channel via an app on the tablet to interact via the tablet with the graphics displayed on the video wall. This will allow the presenters to progressively tell the story, build up to new stories, monitor social media feedback and control the flow of data, graphics and video.</p>
5.2.3.3	<p>Bidder to supply 2x iPad/ Android tablet with App to control the Above Graphics Playout system to drive graphics to the video wall.</p> <p>Bidder to supply an additional one additional graphics Control App for a tablet to control the Graphics system.</p>
5.2.3.4	<p>The capability to playout movie clips will require the ability to playout Audio clips</p>

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	as well. Bidder to add audio playback capability for this solution as an option. No audio payout = 0 Points				
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#### Additional Questions – Second Batch of Questions

**Question 32) In the Tender, it is indicated, NCS Graphics PlugIN should allow the preview of Templates.**

**4.4.3.3.3 allow the interface to preview the updated or populated template;**

**In order to optimize the rendering Backoffice to address this request, would you consider static preview as a single frame Or downsizing the system for preview purposes (limit to 45 concurrent access)**

#### **RFP Answer:**

The Graphics Authoring Application software requires 300 concurrent interface (as mentioned in 5.2.6.1) to run, while the preview is mostly used as a final check thus concurrent preview of > 40 should be ample.

4.4.3	Integration with the Newsroom System (NRS)
	<p>The SABC is in the process of replacing the current ENPS Newsroom Computer System (NRS).</p> <p>It will be the responsibility of the bidder to integrate the proposed solution with the SABC's new NRS ; (refer to tender on the Newsroom System Replacement for proposed specifications)</p> <p>The Newsroom Computer System (NRS) enables MOS control to manage the content on the graphics on-air playout systems to ensure machine scheduled planning is automated. This will require integration into the NRS for graphics template modifications and updates with full rundown control of live playout graphics via the MOS protocol.</p> <p>The SABC currently uses a Newsroom System, it is essential to ensure the bidder/s proposed solution is compatible and functional as below.</p>
	<p><b>To comprehend the workflows and the integration it is necessary to expand on the Graphics System and Newsroom System's template workflow –</b></p> <ul style="list-style-type: none"> <li>(i) The Graphics generation,</li> <li>(ii) assembling of templates,</li> <li>(iii) template-publishing to the NRS Graphics Authoring Application for assess and use,</li> <li>(iv) template-population by editorial with the relevant data,</li> </ul>

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	<ul style="list-style-type: none"> <li>(v) the authored template previewed,</li> <li>(vi) acceptance (MOS device code embedded into NRS story script),</li> <li>(vii) push-to-studio device with the NRS Running Order,</li> <li>(viii) the NRS activation of the authored Graphics,</li> <li>(ix) the Graphics Playlist generation as the NRS is activated within the studio,</li> <li>(x) the synchronised Playout with the NRS Running Order.</li> </ul> <p><b>Non-compliance = 0 points</b></p>				
4.4.3.3	<p>The Graphics Authoring Application software is required to:</p> <p><b>Non-compliance = 0 points</b></p>				
4.4.3.3.1	<ul style="list-style-type: none"> <li>o function within the Newsroom System (e.g. ActiveX or relevant API), i.e. is required to be embedded within the NRS; [Point (iii) above]</li> </ul>		5	5	
5.2.6.1	<p>We have confirmed above that the software application that embeds within the NRS is required for the users for the graphical template authoring. Approximately 500 news journalist or editorial staff need to access and author the graphics with input data.</p> <p>The Authoring software required will need no more than 300x concurrent users to add data to update the templates in the NRS UI.</p> <p>Bidder to supply the Authoring Software.</p>		10	10	


#### Question 33) Can you please clarify the request 3.4.2.1

Ability to capture 1x live HD source, i.e. video or static picture and or a picture sequence all the above needs to include a Fill video and Key;

It required to record locally a live HD source or grabbing image from Live HD source?

#### RFP Answer:

Yes as stated in the requirement. Live static shots or graphics or a short video may be necessary to record as a graphical element, e.g. a capture of some video of a promo, or a picture of a book for graphic of a live discussion.

3.4.2	 <p>The Diagram illustrates two configurations for a Graphics Play-out system. The left configuration shows an 'Input' connected to a 'Graphics Play-out system' unit, which then outputs to 'Ch 1' and 'Ch 2' via 'Key/Fill' connections. The right configuration shows an 'Input' connected to a 'Graphics Play-out system' unit, which then outputs to a 'Video Wall' via 'Key/Fill' connections. A 'Tablet Control' is also shown connected to the 'Graphics Play-out system' unit.</p>				
	<p>The Graphical Play-out devices are required to, but not limited to the following:</p>				

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3.4.2.1	Ability to capture 1x live HD source, i.e. video or static picture and or a picture sequence all the above needs to include a Fill video and Key;		5	5	
3.4.2.2	Ability to import graphic file formats such as Graphics file formats e.g. jpg, tiff, gif, tga, png, etc. Bidder to state all available formats;		5	5	
3.4.2.3	Variety of fonts, based on operating system and allow for special characters		5	5	
3.4.2.4	Loop animations, with freeze and control to terminate the looped animation		5	5	
3.4.2.5	Ability to playout two separate graphics simultaneous; i.e. Dual channel system each with Key and Fill (Video) outputs.		5	5	
3.4.2.6	Manually allow the user to edit populated templates in the studio.		5	5	
3.4.2.7	Web portal integration; allow a real-time connection to a web page to display it through the playout interface.		5	5	