DIGITAL TERRESTRIAL TELEVISION (DTT) FREE-TO-AIR (FTA) PROGRAMME CHANNEL SERVICE AUTHORISATIONS

SELECTION AND AWARD PROCEDURE

DECEMBER, 2016
REQUEST FOR APPLICATIONS

1. The NATIONAL COMMUNICATIONS AUTHORITY (NCA) invites applications from eligible entities registered under the Ghana Companies Code, 1963, Act 179 for the grant of authorizations to establish, maintain and operate a Digital Terrestrial Television (DTT) Free-to-Air (FTA) Programme Channel on the national DTT Multiplex.

2. The Applicant(s) for the Digital Terrestrial Television (DTT) Free-to-Air (FTA) Programme Channel Authorization should possess a Certificate of Incorporation, Certificate to Commence Business and Company Regulations from the Registrar General’s Department as well as hold an up to date Certificate of Income Tax where applicable. Copies of the afore-mentioned Certificates should be submitted with the application.

3. The Selection and Award Procedure Document can be accessed on the Authority’s website: www.nca.org.gh.

4. All applications duly sealed are to be submitted at the Director General’s Secretariat and addressed to:

   The Director General
   National Communications Authority
   NCA Tower, No. 6. Airport City
   Accra

   on or before 5pm on Monday, January 30, 2017. Applications shall not be received after the above stipulated deadline.

5. The Authority intends to issue:

   a) a total of up to fourteen (14) Authorisations for Digital Terrestrial Television (DTT) Free-to-Air (FTA) Programme Channel
      i. Four (4) of which would have national coverage and
      ii. Ten (10) of which would have regional coverage; one (1) each for the ten (10) regions of Ghana in accordance with the Selection and Award Procedure.

   b) A total of Twenty (20) authorisations for Digital Radio Service on TV Multiplex each with national coverage

6. All applications shall be accompanied by a non-refundable application fee of:

   a) Thirty-Eight Thousand, Five Hundred Ghana Cedis (GHS38,500.00) for DTT programme channel with national coverage.
b) **Eleven Thousand Five Hundred and Fifty Ghana Cedis (GHS11,550.00)** for applications for DTT programme channel with regional coverage for Greater Accra, Ashanti and Western Regions.

c) **Seven Thousand, Seven Hundred Ghana Cedis (GHS7,700.00)** for applications for DTT programme channel with regional coverage for Eastern, Volta, Central, Brong Ahafo, Northern, Upper East and Upper West Regions.

d) **One Thousand Ghana Cedis (GHS1,000.00)** for Digital Terrestrial Radio Service on DTT Multiplex with nationwide coverage.

7. Any Applicant may communicate for clarification on the subject in writing to the DIRECTOR GENERAL, NATIONAL COMMUNICATIONS AUTHORITY, on or before 5pm on January 13, 2016. An electronic copy should be sent to dttapplications@nca.org.gh.

8. Companies that have already made applications to the Authority for the above mentioned services are advised to reapply in accordance with the terms and conditions of the selection and award procedure document. Application fees that may have already been paid would still be valid.

**Issued by the Director General**  
12th December, 2016
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CHAPTER 1

BACKGROUND

1.0 Introduction

The NATIONAL COMMUNICATIONS AUTHORITY (AUTHORITY) is empowered by Section 2 of the Electronic Communications Act, 2008, Act 775 to regulate the radio spectrum designated or allocated for use by broadcasting organizations and providers of broadcasting services in accordance with the standards and requirements of the International Telecommunications Union and its Radio Regulations as agreed to or adopted by the Republic”.

The Republic of Ghana signed on to the Geneva 2006 (GE-06) Agreement of the International Telecommunications Union (ITU) establishing the Digital Terrestrial Broadcasting Frequency Plan in the radio frequency bands 174–230 MHz (VHF Band III) and 470–862 MHz (UHF Bands IV&V). The Agreement provided for a transition period during which the analogue television services and digital services will co-exist before the analogue services are switched off. The transition periods were set to end on 17th June 2015 for the Ultra High Frequency (UHF) Band and 17th June 2020 for the Very High Frequency (VHF) Band. The Government of Ghana has decided that the transition period for both the UHF and VHF bands should be on 21st September, 2017. Consequently, the Government of Ghana has established a nationwide Digital Terrestrial Television (DTT) network that would provide coverage to at least 95% of the population and to carry at least forty (40) standard definition (SD) television programme channels in digital format.

In March 2009, the National Communications Authority held engagements with stakeholders and subsequently froze the issuance of analogue terrestrial television authorisations until such time that new modalities were developed for digital terrestrial television services. With the adoption of the Government Policy and the establishment of the national DTT network, the Authority intends to commence the issuance of Digital Terrestrial Television (DTT) Free-to-Air (FTA) Programme Channel Authorisations.

This document provides relevant background information to the television industry and outlines the procedures, guidelines and criteria for the award of the DTT FTA Programme
Channel Authorisations.

1.1 Legal, Regulatory and Policy Environment

Presently, the principal legal statutes governing broadcasting and the entire electronic communications industry in Ghana are the following:

1.1.1 Policies

- NMC National Media Policy, 2000
- National Telecommunications Policy (NTP), 2005
- Report of the National Digital Broadcasting Migration Technical Committee (NDBMTC), 2010
- Digital Terrestrial Television (DTT) Broadcasting Policy, 2016

1.1.2 Laws

- Television Licensing Decree, 1966, (N.L.C.D. 89)
- Television Licensing (Amendment) Law, 1991 (P.N.D.C.L. 257)
- National Media Commission Act, 1993 (Act 449)
- National Communications Authority Act, 2008 (Act 769)
- Electronic Communications Act, 2008, (Act 775)

1.1.3 Regulations and Guidelines

- Minimum Requirements for Receivers of Free-to-Air Digital Terrestrial Television (DTT) in Ghana v1.1a
- Rules for the Assignment of Logical Channel Numbers (LCNs)
- Television Licensing Regulations, 1991 (L.I. 1520)
- NMC Broadcasting Standards, 2000
- NMC Guidelines for Local Language Broadcasting, 2009
- Guidelines for the Deployment of Communications Infrastructure, 2010

This Selection and Award Procedure document, along with the terms and conditions of the License, should be read in conjunction with the above-mentioned legal statutes and other applicable statutory laws including rules, regulations, decrees, orders, decisions, guidelines,
directives and documents of general application issued by the Government of Ghana or the Authority.

1.1.4 Broadcasting Bill

A Broadcasting Bill, 2011 aimed at providing comprehensive legislation on broadcasting services regulated by the National Media Commission and the National Communications Authority in a manner consistent with the Constitution is currently before Parliament. The Bill also seeks to establish the Ghana Broadcasting Corporation as a public broadcasting service in accordance with the Constitution and repeals the Ghana Broadcasting Corporation Act, 1968 (NLCD. 226).

1.1.5 Policy for the Transition from Analogue to Digital Broadcasting

The Report of the National Digital Broadcasting Migration Technical Committee (NDBMTC), dated 30th August, 2010 has served as the policy document for the migration of analogue terrestrial television broadcasting to digital. However, in 2016 the Ministry of Communications engaged stakeholders to develop the Digital Terrestrial Television (DTT) Broadcasting Policy, 2016 which is currently awaiting Cabinet approval.

The draft Digital Terrestrial Television (DTT) Broadcasting Policy, 2016 provides for the following among others:

- A single national FTA digital signal multiplex platform will be created for the use of all broadcasters utilising same frequencies for transmitting digital TV signals to homes across the country. Current frequency allocation to a single broadcaster should be capable of delivering signals for a minimum of twenty (20) standard definition (SD) programme channels to be created per multiplex and in accordance with the national transmission and compression standard (DVB-T2/MPEG-4).

- The National Communications Authority (NCA), as specified by law, shall issue frequencies to the national digital signal multiplex platform and shall not authorise or issue frequencies to any other platform provider for purposes of terrestrial FTA services in Ghana.

- There shall be one National DTT platform operator owned by the Government of Ghana and solely established to provide exclusive signal and transmission carrier services for authorised FTA broadcasters.
The DTT platform shall be built to include capabilities for the provision of Pay and Free services.

The Ministry of Communications (MoC) shall within 30 days after Cabinet approval of this policy establish a company limited by shares and wholly owned by Government of Ghana to manage the DTT platform.

The DTT infrastructure/platform shall be managed as a commercial entity incorporated as the Ghana Digital Company (GDC). The GDC shall be authorised and allocated frequencies by the NCA.

A nine member governing board shall be appointed by the President to oversee the affairs of the GDC. Membership of the board shall comprise:
- The Chairperson
- 1 representative of the NMC
- 1 representative of the Ministry of Communications (GOG)
- 1 representative of the Ministry of Finance (GOG)
- 1 representative of NCA
- 1 representative of GBC
- 1 representative of GIBA
- 1 representative of the public
- The Chief Executive Officer of the GDC

The GDC shall have a Chief Executive Officer (CEO) appointed by the President in accordance with laws governing the appointment of CEO’s of a state institution.

Only authorised broadcasters will be allowed on the DTT platform.

The NCA shall assign each broadcaster (digital programme channel operator) a logical channel number (LCN) for each digital television programme channel according to the date of their first authorisation. The GDC will work closely with the NCA to ensure all channels on the platform are in good standing.
The GDC shall develop a tariff model per channel payable by broadcasters on the DTT platform structured on a regional and national basis.

It is the above policy measures that inform the award of the Digital Terrestrial Television FTA Programme Channel Authorisations to new broadcasters who shall be carried on the national DTT transmission network to be operated by the GDC.

1.2 Overview of the Existing Broadcasting Industry in Ghana

The broadcasting landscape in Ghana has grown since the liberation of the sector in 1995 pursuant to the provisions of the 1992 Constitution of the Republic of Ghana which guaranteed the Freedom and Independence of the media. Private participation in both sound and television broadcasting has over time developed the broadcasting industry into a highly competitive sector offering a good amount of choice and enhancing information dissemination and free speech to deepen Ghana’s fledgling democracy. A statistical overview of the broadcasting space is presented below.

1.2.1 FM Radio Broadcasting

FM radio broadcasting is the most pervasive and accessible broadcasting platform. A summary of authorized FM Radio Broadcasting Authorisations as of the third quarter of 2016 is shown in Table 1.

Table 1: Summary of Authorised FM Radio Broadcasting Stations in Ghana as of 3Q 2016

<table>
<thead>
<tr>
<th>NO.</th>
<th>NAME OF REGIONS</th>
<th>TOTAL NO. AUTHORIZED</th>
<th>PUBLIC</th>
<th>PUBLIC (FOREIGN)</th>
<th>COMMUNITY</th>
<th>CAMPUS</th>
<th>COMMERCIAL</th>
<th>TOTAL NO. IN OPERATION</th>
<th>TOTAL NO. NOT IN OPERATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>ASHANTI</td>
<td>60</td>
<td>2</td>
<td>1</td>
<td>4</td>
<td>2</td>
<td>51</td>
<td>46</td>
<td>14</td>
</tr>
<tr>
<td>2.</td>
<td>BRONG AHAFO</td>
<td>63</td>
<td>3</td>
<td>-</td>
<td>7</td>
<td>2</td>
<td>51</td>
<td>52</td>
<td>11</td>
</tr>
<tr>
<td>3.</td>
<td>CENTRAL</td>
<td>33</td>
<td>2</td>
<td>-</td>
<td>8</td>
<td>3</td>
<td>20</td>
<td>29</td>
<td>4</td>
</tr>
<tr>
<td>4.</td>
<td>EASTERN</td>
<td>42</td>
<td>2</td>
<td>-</td>
<td>6</td>
<td>1</td>
<td>33</td>
<td>35</td>
<td>7</td>
</tr>
<tr>
<td>5.</td>
<td>GREATER ACCRA</td>
<td>50</td>
<td>2</td>
<td>3</td>
<td>6</td>
<td>3</td>
<td>36</td>
<td>47</td>
<td>3</td>
</tr>
<tr>
<td>6.</td>
<td>NORTHERN</td>
<td>46</td>
<td>7</td>
<td>-</td>
<td>13</td>
<td>1</td>
<td>25</td>
<td>30</td>
<td>16</td>
</tr>
<tr>
<td>7.</td>
<td>UPPER EAST</td>
<td>18</td>
<td>2</td>
<td>-</td>
<td>6</td>
<td>1</td>
<td>9</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>8.</td>
<td>UPPER WEST</td>
<td>19</td>
<td>2</td>
<td>-</td>
<td>8</td>
<td>1</td>
<td>8</td>
<td>11</td>
<td>8</td>
</tr>
<tr>
<td>9.</td>
<td>VOLTA</td>
<td>46</td>
<td>4</td>
<td>-</td>
<td>10</td>
<td>1</td>
<td>31</td>
<td>36</td>
<td>10</td>
</tr>
<tr>
<td>10.</td>
<td>WESTERN</td>
<td>75</td>
<td>5</td>
<td>1</td>
<td>5</td>
<td>2</td>
<td>62</td>
<td>56</td>
<td>19</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td><strong>452</strong></td>
<td><strong>31</strong></td>
<td><strong>5</strong></td>
<td><strong>73</strong></td>
<td><strong>17</strong></td>
<td><strong>326</strong></td>
<td><strong>354</strong></td>
<td><strong>98</strong></td>
</tr>
</tbody>
</table>
1.2.2 Television Broadcasting

For the purpose of authorisations, Television services are classified based on the platform, the business model and the nature of the broadcasting entity and the service, as follows:

1. **Digital Terrestrial Pay Television (Service Only)**: A Television Broadcasting Service comprising of a bouquet of services provided over an independent/third party wireless digital terrestrial television network and which requires television viewers to pay a subscription fee to watch the television service.

2. **Digital Terrestrial Pay Television (Service and Network)**: A Television Broadcasting Service provided over the service provider’s own wireless digital terrestrial television network and which requires television viewers to pay a subscription fee to watch the television service. The service provider obtains a frequency for the rollout of its own DTT transmission network infrastructure which shall be co-located.

3. **Digital Terrestrial Television (Network only)** - a service consisting of the provision of:
   a. An electronic communications network utilizing radio frequencies to transmit broadcasting programmes in digital form, for general reception
   b. Combining or packaging (i.e. multiplexing) a number of television and other services for transmission over its network
   c. Providing information on all programmes carried on its network (e.g. Electronic Programme Guide [EPG] etc)

4. **Digital Terrestrial Free-to-Air Television Programme Channel**: A Television Broadcasting Service in which a single programme channel is broadcast unencrypted or in ‘clear’ over a digital terrestrial television (DTT) network and capable of being received without payment of subscription fees. There are two categories of authorisations based on their coverage area i.e. National Coverage and Regional Coverage.
5. Digital Terrestrial Radio Service on TV Multiplex- A sound broadcasting service in which content is deployed on the Digital Terrestrial Television Network.

6. Satellite Television Broadcasting (Pay TV Direct-to-Home Bouquet)- A Television Broadcasting Service comprising of a bouquet of services provided over a satellite transponder and which requires television viewers to pay a subscription fee to watch the television service.

7. Satellite Television Broadcasting (Free-to-Air Direct-to-Home Bouquet)- A Television Broadcasting Service comprising of a bouquet of services provided over a satellite transponder and which is capable of being received without payment of subscription fees.

8. Satellite Television Broadcasting (Free-to-Air Direct-to-Home Single Channel)- A Television Broadcasting Service in which a single programme channel is broadcast over a satellite transponder and capable of being received without payment of subscription fees.

9. Digital Terrestrial Television Additional Services (eg. Teletext, etc)- any service provided by any person with a view to its being broadcast in digital form by means of a DTT multiplex service but which is not a digital television programme service or a radio service which may or may not require the payment of subscription fees.

10. Digital Terrestrial Mobile Television Service - A Digital Television Service in which the programme channels are delivered over a terrestrial infrastructure for reception primarily by handheld devices and which may or may not require the payment of subscription fees.

11. Digital Cable Television (Pay TV) - A Television Broadcasting Service where the distribution of television programs to subscribers is delivered by the means of coaxial cables or light pulses through fiber-optic cables and require the payment of subscription fees.
12. **Television over Internet Protocol (Pay TV)**- A Television Broadcasting Service where programs to subscribers are delivered via Internet Protocol (IP) over an electronic communications network (wireless or cable) and which may or may not require the payment of subscription fees.

Satellite TV covers the entire country whereas Analogue Terrestrial TV covers approximately 80% of the population. Free-to-air Digital Terrestrial Television currently covers approximately 50% of the population but this is expected to increase to 95% of the population by the end of February 2017 with the completion of the national DTT network. Digital Terrestrial Pay Television currently covers 71.5% of the population.

Terrestrial TV is the most dominant TV reception platform in Ghana followed by satellite and cable respectively. As of end September 2016, eighty-four (84) television stations had been authorized out of which forty-four (44) were operational.

*Table 2: Summary of Authorised Television Broadcasting Stations in Ghana as of September 2016*

<table>
<thead>
<tr>
<th>NO.</th>
<th>TYPE OF TELEVISION SERVICE</th>
<th>TOTAL NO. OF AUTHORISED STATIONS</th>
<th>TOTAL NO. OF STATIONS ON AIR</th>
<th>TOTAL NO. OF STATIONS NOT ON AIR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Analogue Terrestrial Television</td>
<td>21</td>
<td>15</td>
<td>6</td>
</tr>
<tr>
<td>2.</td>
<td>Digital Terrestrial Pay Television (Service only)</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>3.</td>
<td>Digital Terrestrial Pay Television (Service and Frequency)</td>
<td>5</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>4.</td>
<td>Digital Terrestrial Television (Network only)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>5.</td>
<td>Digital Terrestrial Free-To-Air Television Programme Channel</td>
<td>7</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>6.</td>
<td>Digital Terrestrial Radio Service on TV Multiplex</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>7.</td>
<td>Satellite Television Broadcasting (Pay TV Direct-To-Home Bouquet)</td>
<td>7</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>8.</td>
<td>Satellite Television Broadcasting (Free-To-Air Direct-To-Home Bouquet)</td>
<td>7</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>9.</td>
<td>Satellite Television Broadcasting (Free-To-Air Direct-To-Home Single Channel)</td>
<td>36</td>
<td>20</td>
<td>16</td>
</tr>
<tr>
<td>NO.</td>
<td>TYPE OF TELEVISION SERVICE</td>
<td>TOTAL NO. OF AUTHORISED STATIONS</td>
<td>TOTAL NO. OF STATIONS ON AIR</td>
<td>TOTAL NO. OF STATIONS NOT ON AIR</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------------------------------------------------------------</td>
<td>----------------------------------</td>
<td>----------------------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>10.</td>
<td>Digital Terrestrial Television additional Services (eg. Teletext, etc)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>11.</td>
<td>Digital Terrestrial Mobile Television Service (Stand-alone Authorisation)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>12.</td>
<td>Digital Cable Television</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>13.</td>
<td>Television over Internet Protocol (Pay TV)</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL NO. OF AUTHORISED TV STATIONS</strong></td>
<td><strong>85</strong></td>
<td><strong>51</strong></td>
<td><strong>34</strong></td>
</tr>
</tbody>
</table>

1.2.3 Digital Terrestrial Television Broadcasting in Ghana

Ghana signed the Geneva 2006 (GE06) Agreement establishing the digital terrestrial broadcasting plan in the bands 174 – 230 MHz and 470 – 862 MHz at the Regional Radiocommunications Conference (RRC-06). The agreement requires signatory countries including Ghana to migrate from analogue television broadcasting to a digital TV platform by 17th June 2015 (UHF band) and 17th June 2020 (VHF) band.

The application of digital techniques to television broadcasting results in several advantages over analogue including the following:

a. A higher number of television programme channels and choice for the viewer
b. Better picture quality, clearer sound, introduction of new services and more interactivity including electronic programme guide (EPG) for television viewers
c. Reduced operational cost for broadcasters
d. Better efficient use of spectrum as digital broadcasting technology enables transmission of up to twenty (20) TV stations on one frequency that in analogue format currently carries only one TV station. The radio frequency (RF) spectrum used for terrestrial television is considered a scarce and finite natural resource that has to be managed efficiently and effectively both technically and economically in the national interest and digital television offers these technical and economic benefits. Economic value from the spectrum efficiency gain to be realised due to the switch over from analogue to digital terrestrial television services known as the digital dividends

Terrestrial Television broadcasting has been in analogue since the launch of TV services in
1965 until 2008 when a pilot terrestrial digital video broadcasting system (DVB-T) was installed by GBC in Accra. In 2009, commercial terrestrial digital video broadcast was authorised and launched by Skyy Digital (now First Digital) in Accra and Takoradi. In 2010 GBC launched a DVB-T transmission network in Accra and Kumasi.

Since January 2013, the National Communications Authority has issued six (6) Digital Terrestrial Pay Television Authorisations to GoTV, Crystal Radio Vision Network Ltd, First Digital, Cable Gold, NGB and Nour Vision Limited to offer digital terrestrial pay television (DTT Pay) services using DVB-T2 technology.

### 1.2.4 The Transition from Analogue to Digital Television

The transition from analogue to digital broadcasting involves:

a. **The development of digital TV set and STB standards and specifications** - This has already been implemented and has been outlined in Section 2.3.

b. A **simultaneous transmission of TV services in both analogue and digital (simulcast)** – Existing analogue terrestrial FTA channels are being migrated onto the DTT platform in tandem with the completion of the phases. Transmissions in analogue will also continue to run in parallel.

c. **The switch-off of the analogue television service (ASO).** This will be on September 21, 2017 or a date announced by the Minister of Communications, whichever is later. After this date, only DTT services will continue to run.

The transition from analogue to digital terrestrial television is being managed as a multi-stakeholder change programme under the leadership of the Minister of Communications. The following measures have been put in place to facilitate the transition in Ghana.

a) **The establishment of technical standards** – The National Communications Authority (NCA) working with the Digital Broadcasting Migration Committee (DBMC) and the Ghana Standards Authority has published transmission standards and minimum specifications for Free-to-Air (FTA) DTT receivers; gazetted as GS1099.

b) **Conformance Regime for DTT Receivers** – The NCA has published the conformance regime for DTT receivers and have since awarded conformance certification to over one hundred (100) models of DTT receivers (i.e. integrated digital TV sets and set-top boxes/ decoders).
c) **Authorisation of Digital Terrestrial Pay TV to 6 operators** (i.e. GoTV, Crystal Radio Vision Network Ltd, First Digital, Cable Gold, NGB and Nour Vision Limited) since 2013.

d) **Logical Channel Numbers (LCNs)** have been developed for FTA stations. This will ensure that FTA stations when migrated to the DTT platform would be arranged according to the LCN on the GS1099 compliant receivers and in accordance with the Rules for the Assignment of Logical Channel Numbers (LCNs).

e) **The deployment of DTT network platform and digital switch on** - The platform is being deployed in phases and is expected to be completed by 28 February, 2017:

- Phase 1 – Head end, Greater Accra and Ashanti Region – Completed and on air
- Phase 2 - Volta, Upper East, Upper West and Northern Region – Installation completed (Not yet on air)
- Phase 3 - Brong Ahafo, Eastern, Central and Western Region – Installation ongoing (to be completed by end of February 2017)

The DTT network is designed to cover 95% of the population of the entire nation. It has the capability to broadcast nationwide with forty-two (42) transmission sites on two multiplexes. The network also has the capability to broadcast on regional bases with one (1) multiplex per region. The Site Characteristics are shown in Table 3 below.

**Table 3: Site Characteristics for the National DTT Transmission Network**

<table>
<thead>
<tr>
<th>No.</th>
<th>Region</th>
<th>Site-Name</th>
<th>Longitude</th>
<th>Latitude</th>
<th>Freq. CH</th>
<th>Freq. (MHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GAR</td>
<td>Ajangote</td>
<td>000W14 05.000</td>
<td>05N43 27.200</td>
<td>25 28</td>
<td>506 530</td>
</tr>
<tr>
<td>2</td>
<td>GAR</td>
<td>Weija</td>
<td>000W18 00.100</td>
<td>05N36 49.800</td>
<td>28 29</td>
<td>530 538</td>
</tr>
<tr>
<td>3</td>
<td>GAR</td>
<td>Tema</td>
<td>000W00 03.210</td>
<td>05N38 22.740</td>
<td>28 29</td>
<td>530 538</td>
</tr>
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Table 4: List of Programme Channels on the National DTT Multiplex and their Logical Channel Numbers (LCNs).
<table>
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<tr>
<th>No.</th>
<th>COMPANY NAME</th>
<th>TRADE NAME</th>
<th>LCN</th>
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<td>VIASAT</td>
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<td>Independent TV Limited</td>
<td>Top TV</td>
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<td>11.</td>
<td>HBA TV &amp; Communications Network</td>
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<td>Kantanka TV</td>
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<td>Multiple Concepts</td>
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<td>LPT Services Limited</td>
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CHAPTER 2
THE DTT FTA PROGRAMME CHANNEL AUTHORISATION

2.1 Rationale for the Award of DTT FTA Programme Channel Authorisations

The objectives for the award of DTT FTA Programme channels are:

- Introduce new programme channels to the national DTT transmission network to enhance choice for consumers, enhance attractiveness of the platform through diversity in the programmes on the multiplex and promote media pluralism.
- Create an organised DTT environment that facilitates the growth of television broadcasting services through the assignment of unique logical channel numbers to authorised programme channels.
- Enhance the relevance of television programme channels to the promotion of development at the regional level through television programme channels focussed on regional audiences.

2.2 Scope of the Authorisation

The Digital Terrestrial Free-to-Air Television Programme Channel Authorisation holder shall:

1. Set up equipment and facilities to produce, package and schedule television programmes for broadcast.
2. Send its programmes to the central headend of the National DTT Network Operator for multiplexing and transmission throughout its authorised coverage area.
3. Be assigned a unique logical channel number (LCN) in the range 1 – 99 which shall identify the station on all certified (digital Ghana) DTT receivers.
4. Provide the following information to the Multiplex Operator for the purpose of populating the DVB Service Information (SI) and Programme Specific Information (PSI) tables for the Electronic Programme Guide (EPG).
   a. Programme event information covering eight (8) days for each day of operation
   b. the name of each event,
   c. the start and end times of each event,
d. event description (about 300 characters for each event. Truncation may occur on some receivers beyond 300 characters)
e. the parental control rating for each event,
f. where applicable the service options of each event. "Service options" refers to an indication of the presence of subtitle languages and additional audio languages, including when audio description is enabled.
g. keep the information sent to the Multiplex Operator as up to date as possible.

The Authorisation holder shall ensure the accuracy of event description, parental control rating and up to date.

The Digital Terrestrial Radio Service on TV Multiplex Authorisation holder shall:

1. Set up equipment and facilities to produce, package and schedule sound programmes for broadcast on a TV Multiplex.
2. Send its programmes to the central headend of the National DTT Network Operator for multiplexing and transmission throughout its authorised coverage area.
3. Be assigned a unique logical channel number (LCN) in the range 700 – 799 which shall identify the station on all certified (digital Ghana) DTT receivers.
4. Provide the following information to the Multiplex Operator for the purpose of populating the DVB Service Information (SI) and Programme Specific Information ( PSI) tables for the Electronic Programme Guide (EPG).
   a. Programme event information covering eight (8) days for each day of operation
   b. the name of each event,
   c. the start and end times of each event,
   d. event description (about 300 characters for each event. Truncation may occur on some receivers beyond 300 characters)
   e. the parental control rating for each event,
   f. where applicable the service options of each event. "Service options" refers to an indication of the presence of subtitle languages and additional audio languages, including when audio description is enabled.
   g. keep the information sent to the Multiplex Operator as up to date as possible.

The Authorisation holder shall ensure the accuracy of event description, parental control rating and up to date.
Applicants shall clearly state the coverage of the Authorisation they intend to obtain, as well as the corresponding regions.

2.3 Authorisation Period
The Authorisation period for a Digital Terrestrial Free-to-Air Television Programme Channel Authorisation shall be five (5) years. However, the Authorisation holder shall commence operations not later than two (2) years from the date of the Authorisation failing which the Authorisation shall be withdrawn.

2.4 Number of Authorisations
The Authority intends to issue:

a) a total of up to **fourteen (14) Authorisations** for Digital Terrestrial Television (DTT) Free-to-Air (FTA) Programme Channel
   i. four (4) of which would have national coverage and
   ii. ten (10) of which would have regional coverage i.e. one (1) for each of the ten regions.

b) A total of **Twenty (20) Authorisations** for Digital Radio Service on TV Multiplex with national coverage.

2.5 Fees
The consideration for the Authorisations shall be as follows:

i. Application Fees:
   a. **Thirty-Eight Thousand, Five Hundred Ghana Cedis (GHS38,500.00)** for DTT programme channel with national coverage.
   b. **Eleven Thousand, Five Hundred and Fifty Ghana Cedis (GHS11,550.00)** for applications for DTT programme channel with regional coverage for Greater Accra, Ashanti and Western Regions
   c. **Seven Thousand, Seven Hundred Ghana Cedis (GHS7,700.00)** for applications for DTT programme channel with regional coverage for Eastern, Volta, Central, Brong Ahafo, Northern, Upper East and Upper West Regions.
   d. **One Thousand, Ghana Cedis (GHS1,000.00)** for Digital Terrestrial Radio Service on DTT Multiplex with nationwide coverage.
   e. Payment shall be in the form of a Bankers Draft payable to the National
Communications Authority and drawable on a Bank in Ghana and shall be paid by the time of submitting the application. Applications without proof of payment of application fees SHALL NOT be processed.

(ii) Authorisation Fees:

a. **One Hundred and Fifteen Thousand, Five Hundred Ghana Cedis (GHS115,500.00)** for DTT programme channel with national coverage.

b. **Twenty-Three Thousand, One Hundred Ghana Cedis (GHS23,100.00)** for applications for DTT programme channel with regional coverage for Greater Accra, Ashanti and Western Regions

c. **Seventeen Thousand, Three Hundred and Twenty-Five Ghana Cedis (GHS17,325.00)** for applications for DTT programme channel with regional coverage for Eastern, Volta, Central, Brong Ahafo, Northern, Upper East and Upper West Regions.

d. **Eleven Thousand, Five Hundred Ghana Cedis (GHS11,500.00)** for Digital Terrestrial Radio Service on DTT Multiplex with nationwide coverage.
CHAPTER 3

SELECTION AND AWARD PROCESS

3.0 General Requirements
Applicant(s) shall be disqualified from obtaining a License if any provision listed in sub-
clauses (i) to (vii) below, applies to its owner(s) or to any of its director(s) or partner(s) or
to the Applicant(s). The provisions are, if the applicant has / or has been:

i. Declared medically insane;
ii. Sentenced by a Court under any law to imprisonment for a term of two (2) years or
   more, and a period of five (5) years has not elapsed since his release from such
   imprisonment;
iii. Sentenced by a Court of law for committing any offence and a period of five (5)
    years has not elapsed since his release from such imprisonment;
iv. Declared bankrupt by a Court of law and has not been discharged from the liability
   of bankruptcy;
v. Identified or declared by a Court of law or by a bank or financial institution as a
   defaulter loanee of that bank or institution;
vi. His license cancelled by the Authority at any time during the last 5 (five) years;
vii. An ongoing prosecution against the applicant(s) or its owner(s) or shareholder(s)
    or any of its director(s) or partner(s) for any violation of any statutory law and/or
    license condition(s) or any other illegal activities.

3.1 Eligibility Criteria
3.1.1. All applicants shall be incorporated in Ghana.
3.1.2. The Entity must be registered under the laws of Ghana, and duly certified to operate in
        Ghana, by the deadline for submission of applications.
3.1.3. There shall be a minimum of 35% Ghanaian ownership in the applying Entity; be
        it a company, a joint venture or consortium.
        3.1.3.1. The said minimum of 35% Ghanaian ownership shall be in place by the
                deadline for submission of applications.
        3.1.3.2. A minimum 35% Ghanaian ownership shall be maintained throughout the
duration of the Authorisation.
3.1.4. An Entity shall be eligible for **only one** DTT Free-to-Air Programme Channel Authorisation with **National Coverage**; that is, no Entity alone or along with its partner, affiliate, subsidiary or shareholder in total, can apply for more than one authorization with national coverage.

3.1.5. An Entity shall be eligible for **not more than three (3)** DTT Free-to-Air Programme Channel Authorisation with **Regional Coverage**; that is, no Entity alone or along with its partner, affiliate, subsidiary or shareholder in total, can apply for more than three authorizations with regional coverage.

3.1.6. Only entities with an **existing Authorisation** to provide FM Radio broadcasting services shall be eligible for an Authorisation to provide Digital Terrestrial Radio Service on DTT Multiplex.

3.1.7. An Entity shall be eligible for **only one Digital Terrestrial Radio Service** on DTT Multiplex; that is, no Entity alone or along with its partner, affiliate, subsidiary or shareholder in total, can apply for more than one authorization with national coverage.

### 3.2 Selection Process

The Authority shall employ a “beauty contest” to select prospective applicants for the award of a Digital Terrestrial Free-to-Air Television Programme Channel Authorisation. This procedure requires that successful applicants meet and satisfy a Two Stage process:

- **Stage One: Pre-Qualification (Administrative)**
- **Stage Two: Evaluation of Technical–Operational–Management Competence (“Beauty Contest”)**
  - Evaluation of Business & Technical Submissions
  - Evaluation of Oral Presentations of Applications

### 3.3 Stage One: Pre-Qualification (Administrative)

3.3.1 All applicants must be fully compliant with the requirements stated in Standardized Application Guidelines [See Annex 3]. **There shall absolutely be no consideration for failing to satisfy these requirements.**

3.3.2 Proof of Payment of Application Fee.

3.3.3 Compliance with requirements and criteria set forth in Chapter 4.

3.3.4 Subsequent to meeting the said requirements, successful applicants shall be invited to
participate in the Stage–Two exercise; that is the “Beauty Contest”.

### 3.4 Stage Two: Technical-Operational-Managerial Assessment

#### 3.4.1 This segment is open to only successful Stage One applicants. It is composed of two parts as follows:

- Evaluation of the Strategic, Operational and Technical Submission
- Evaluation of the applicant’s Business Plan Presentation.

#### 3.4.2 Business Plan Applications of successful Stage-One applicants shall be evaluated by a team of competent analysts empanelled by the Authority and the National Media Commission (NMC).

#### 3.4.3 After the evaluation of these applications, applicants shall be required to make an oral presentation of their application to the same analysts in 3.4.2 above. The Evaluation Panel may seek clarifications or request additional documents from applicants.

#### 3.4.4 Successful applicants shall be eligible for the award of Provisional Authorisations.

#### 3.4.5 Authorisations shall only be awarded after successful applicants have fulfilled the conditions of the Provisional Authorisation which shall include the payment of the Authorisation fees.

### 3.5 Further Rules

#### 3.5.1 Applicable Legal Norms. The Selection and Award Process shall be conducted in accordance with, and shall be governed by, the laws of Ghana and this Selection and Process document.

#### 3.5.2 Supremacy of the Laws of Ghana

Where a conflict arises between the laws of Ghana and any provision of this Selection and Award Procedure document and/or the Authorisation, the law takes precedence.

#### 3.5.3 Calculation of Time Periods. Unless otherwise specified, the time periods provided herein shall be calculated in calendar days.

#### 3.5.4 Submissions. Unless otherwise provided herein, all submissions and receipt of payments should be made to the Director General, National Communications
Authority (NCA) and be marked “Application for Digital Terrestrial Programme Channel Service Authorisations” or “Application for Authorisation for Radio Service on DTT Multiplex”.

3.5.5. **Acceptance of Terms and Conditions.** The submission implies full knowledge and acceptance of, all the terms and conditions set forth herein and under the applicable laws of Ghana.

3.5.6. **Notices.** Applicants shall designate in writing a person or entity for receipt of any notices in connection with this Selection Procedure. The contact information: full office/residential address, email address, fax numbers, mobile and fixed telephone numbers shall also be provided in the statement designating the person. All notices from the Authority in connection with the application shall be valid when made to such designated person by hand, post, email or by telefax.

3.5.7. **Inquiries/Circulars.** Any inquiries with respect to this Selection Process should be submitted in writing to the Director General, National Communications Authority (NCA) with an electronic copy to dttapplications@nca.org.gh. The Authority will provide responses to such inquiries and other clarifications through circulars, which shall be sent to the person designated by each Applicant. The circulars shall also be posted on the NCA website, www.nca.org.gh.

### 3.6 Timetable for the Licensing Process

The Licensing Process shall take place in accordance with the following timetable:

<table>
<thead>
<tr>
<th>S/N</th>
<th>Activity</th>
<th>Begins</th>
<th>Ends</th>
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</thead>
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<tr>
<td>1</td>
<td>Press Release to invite applications</td>
<td>13th December, 2016</td>
<td></td>
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<tr>
<td>2</td>
<td>Submission of Application &amp; Proposals to the NCA</td>
<td>13th December, 2016</td>
<td>30th January, 2017</td>
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<tr>
<td>3</td>
<td><strong>Opening of Proposals by the NCA / Ballot for Order of Presentation</strong></td>
<td>30th January, 2017</td>
<td>5:30pm</td>
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<tr>
<td>5</td>
<td>Business Presentations by Qualified Applicants to Evaluation Committee</td>
<td>13th February, 2017</td>
<td>17th February, 2017</td>
</tr>
<tr>
<td>6</td>
<td>Completion of Evaluation Report</td>
<td>20th February, 2017</td>
<td>27th February, 2017</td>
</tr>
</tbody>
</table>
8. Announcement of Winners | 14th March, 2017

The Authority reserves the right to amend the above timetable where necessary, through a publication on its website (i.e. prior to the deadline for receipt of applications) or through a letter to applicants (i.e. after the deadline for receipt of applications).
4.1 Contents of the Application

The Application shall contain the following:

4.1.1. **Receipt.** Evidence of payment of the Application Fee as indicated in Section 2.5(i).

4.1.2. **Letter of Presentation.** A letter of presentation, substantially in the form of Annex 2, signed by a duly authorized (in accordance with Section 4.1.5) representative of the Applicant, which sets forth the Applicant’s intention to participate in the Pre-Qualification Process and its acceptance of all the terms and conditions of this Selection Procedure.

4.1.3. **Certificates.** All applicants shall submit certified true copies of their Certificate of Incorporation, Certificate to Commence Business and Company Regulations obtained from the Registrar General of the Republic of Ghana.

4.1.4. In addition to the above, applicants which have foreign shareholders shall include certificates issued by the relevant governmental authorities, and other competent authorities of the jurisdiction where the Applicant or its principals is incorporated, evidencing that the Applicant is a corporation duly organized, validly existing and in good standing in such jurisdiction. All certificates must be in English. Certificates translated into English must be certified and notarized.

4.1.5. **Power of Attorney.** Each Applicant shall designate a representative for purposes of Sections 4.1.2 and 4.1.6 pursuant to a Power of Attorney issued in accordance with the laws of Ghana.

4.1.6. **Sworn Declaration.** A Sworn Declaration of the Applicant signed by its duly authorized representative, (in accordance with Section 4.1.5 hereof), with the following information:

(i) Identification of all the shareholders of the Applicants that control more than 5% of its capital and of the entities that directly or indirectly are the beneficial shareholders thereof. The beneficial shareholders of the Applicant shall mean those who directly or indirectly own the majority of the shares or the voting rights or who otherwise control such Applicant;
(ii) Statement that all the information and documentation submitted in connection with the Application are true, accurate and complete;

(iii) Statement that the Applicant has not been the subject of any bankruptcy proceedings, reorganizations, or similar proceedings in the last 5 years;

(iv) Statement that, since the date of the Applicant’s last audited reports and financial statements submitted pursuant to Section 4.1.7, there has not been any material adverse changes thereto.

4.1.7. Audited Reports and Financial Statements

4.1.7.1. The audited reports and financial statements corresponding to the last three fiscal years of the Applicant and (if applicable) the consolidated group to which the Applicant belongs.

4.1.7.2. Financial projections and supporting market data shall be submitted both in printed tabular form as part of the main application document and as a series of Microsoft Excel worksheets within a single workbook.

4.1.8. Appendices

Applicants are strongly encouraged to include all key information within the main body of the application and to place only supplementary information in appendices. Appendices should be clearly numbered, cross-referenced from the main application document and bound, preferably, in a single volume.

4.1.9. Additional Qualification Criteria:

(i) Information regarding the programming philosophy and programme schedule of the applicant, which will demonstrate whether the focus would be on “niche” or general programming. The rationale for the choice of programming should be clearly stated. The applicant should indicate how its programming would bring diversity to the national DTT platform. The applicant should discuss its observations about the channels on the platform and how its own channel would be different in order to enhance choice for consumers.

(ii) Information regarding the technical qualifications of the Applicant, which demonstrate its ability to produce content for the digital television ecosystem. Applicants should refer to networks and businesses where such experiences have been gained.

(iii) Information regarding the operational credentials of the Applicant, indicating the
services that it is currently operating in Ghana or other markets and demonstrating its ability to manage the business in an increasingly competitive market.

(iii) Detailed résumé of the proposed management of the Entity.

4.1.10. Applicants for Digital Terrestrial Radio Service on DTT Multiplex shall provide only the following documentation:

(i) Letter of Presentation
(ii) Proof of Payment of Application Fee
(iii) Copy of valid FM Radio Broadcasting Authorisation from the National Communications Authority for the service intended for the DTT Multiplex
(iv) A statement of how presence on the DTT Multiplex enhances the station’s strategy and contributes to diversity and choice on the DTT Multiplex.
(v) Valid Tax Clearance Certificate
(vi) Valid SSNIT Clearance Certificate
(vii) Copy of registration of Business Name or Trade Name or name used for service identification on air.

4.2 Submission of Proposals

4.2.1 Location and Deadline for Submissions

Proposals may be submitted during business days to the Director General, National Communications Authority (NCA), NCA Tower, No. 6 Airport City, Accra and be marked “Application for Digital Terrestrial Free-to-Air Programme Channel Authorisations”, between the hours of 9.00 am to 5.00 pm. The deadline for submission shall be 5.00pm on 30th January, 2017.

4.2.2 Originals and Copies.

(i) All documents submitted by the Applicant shall be either originals or certified copies. The copies may be certified by the authorized officer of the Applicant.

(ii) The documentation of the Proposal shall be submitted in one (1) original hard copy and five (5) certified hard copies including six (6) copies of any appendices and/or demonstration material and one (1) electronic copy, clearly marking each as such. In the event of any discrepancies, the original shall prevail.

(iii) The electronic copy shall be in PDF format, along with the completed Microsoft Excel worksheets and where applicable, (labelled with the
applicant’s name and a cross-reference to the main application document and numbered “1 of N”, “2 of N” etc where N represents the number of CDs/pen drives).

(iv) Every page of the Proposal shall be numbered (as a fraction of total number of pages e.g. 1 of 30, etc.)

(v) Proposals shall include a table of contents and a page setting forth the Applicant’s name and legal domicile as well as the postal and e-mail address, telephone and facsimile numbers of a person designated to receive notices.

(vi) Proposals shall be submitted in a sealed envelope/box.

4.3 Updating

Each Applicant shall maintain current, the facts and information supplied in the Proposal, and shall communicate to the Director General of the Authority, all material changes that arise with regards thereto.

4.4 Modification

This Selection Procedure does not constitute an offer to contract on the part of the National Communications Authority and the Authority has the right to modify or amend any provision or condition hereof; provided however, that any such modification or amendment shall be valid only if it is in writing.

4.5 Disclaimer

The NCA shall not incur any liability whatsoever in exercising its rights in 4.4 above or any other rights granted in this Process.

4.6 Additional Information

The Authority reserves the right to request, at any time, additional information or documentation from Applicants.
ANNEX 1

INTERPRETATIONS AND DEFINITIONS

When used in this paper, the following terms shall have the meanings ascribed herein:

1. “Applicant” means any entity that has submitted a Proposal.
3. “Ministry” means the Ministry of Communications (MoC).
4. “NCA” means National Communications Authority.
5. “Pre-Qualification” means the qualification of an Applicant in the Pre-Qualification Process, thereby permitting the Applicant to participate in the second stage of the Process.
6. “Pre-Qualified Applicant” means an Applicant that has been selected in the Pre-Qualification Process to participate in the second stage of the Selection Process in accordance with the rules set forth in this Selection Process.
7. “Proposal” means the submission made by an Applicant to the Director General in accordance with Section 4.1 herein.
8. “Application Fee” means the sum specified in Section 2.5(i) which must be paid by an Applicant to the National Communications Authority at the time that it submits a Proposal. Such sum is non-refundable and grants the Applicant the right to participate in the “Selection Process”.
9. “Analogue Switch-Off” refers to the date on which the final transmitter broadcasting analogue terrestrial television signals in Ghana is switched off.
10. Digital Terrestrial Television or “DTT” refers to a means of digitally broadcasting signals over the air to television sets equipped with a DTT receiver (either integrated into the TV or in a separate set-top box).
11. Multiplex means an electronic system which combines programme material and related and other data in a digital form for transmission.
ANNEX 2

SAMPLE LETTER OF PRESENTATION

Date:

The Director General
National Communications Authority
NCA Tower, No. 6 Airport City
P. O. Box CT 1568
Cantonments
Accra

Dear Sir,

Re: Selection Procedure for Digital Terrestrial Free-to-Air Television Programme
Channel Authorization [or Radio Service on DTT Multiplex]

Enclosed herewith are the documents required by the Selection Procedure for Pre-
qualification with respect to the above-captioned Process.

We hereby declare our full knowledge and acceptance of and submission to, all the terms
and conditions set forth in the above-mentioned Selection Procedure and the applicable

Yours faithfully,

(SIGNATURE OF REPRESENTATIVE)
(NAME OF REPRESENTATIVE)
ANNEX 3

STANDARDIZED APPLICATION GUIDELINES

General Information

1. Applicant
   a. Name
   b. Title
   c. Citizenship
   d. Address
   e. Contact numbers

2. Management
   a. Name
   b. Title
   c. Citizenship
   d. Address
   e. Contact numbers

3. Directors
   a. Name
   b. Address
   c. Contact numbers
   d. Citizenship
   e. Shareholding %
   f. Other Broadcasting/Telecommunication Interests
      i. Name of Company
      ii. Address
      iii. Contact Numbers
      iv. Shareholding %
      v. Licence/Authorization Status
      vi. Credit/Default Status

4. Shareholders (with at least 5% holding)
   a. Name
   b. Address
   c. Contact numbers
   d. Proof of Citizenship
   e. Shareholding %
   f. Other Broadcasting/Telecommunication Interests
      i. Name of Company
      ii. Address
      iii. Contact Numbers
      iv. Shareholding %
      v. Licence/Authorization Status
      vi. Credit/Default Status

5. Applying Entity Information
   a. Name of Entity/Company/Partnership/Trust etc, please define
b. Certificate of Incorporation in Ghana (Company Registration Number & Date of Registration)
c. Certificate to Commence Business in Ghana; Number & Date

6. Exhibits and Other Certified Documents to Support the Following:
   a) Financial Capacity:
      i. Equity Contributions of Shareholders
      ii. Detailed Five Year Financial Statements
      iii. Income, Balance Sheet, Cash flow Statements

   b) Technical and/or Operational Capacity:
      i. Information regarding the technical qualifications of the Applicant, which
demonstrate its ability to produce content for the digital television ecosystem. Applicants should refer to networks and businesses where such experiences have been gained.
      ii. Information regarding the operational credentials of the Applicant,
indicating the services that it is currently operating in Ghana or other
markets and demonstrating its ability to manage the business in an
increasingly competitive market.

c) Programming Philosophy: Information regarding the programming philosophy and
programme schedule of the applicant, which will demonstrate whether the focus
would be on “niche” or general programming. The rationale for the choice of
programming should be clearly stated. The applicant should indicate how its
programming would bring diversity to the national DTT platform. The
applicant should discuss its observations about the channels on the platform and
how its own channel would be different in order to enhance choice for consumers.

d) Certified commitment letters from:
   i. Established and experienced operating concerns
ii. Equipment vendor relationships and a showing of readiness to provide sustained technical & operation partnering and support.

7. Applicant Status
List any NCA regulated entity or applicant for an NCA Licence/Authorisation in which:

i. the applicant

ii. any party, has more than 5% or greater interest in the applicant; or a Controlling interest or more than 10% of the applicant or more of any class of stock, warrants, options or debt securities of the applicant. This list must include a description of each such entity’s relationship to the applicant.

8. Agreements with Other Parties
Applicants must submit an exhibit identifying all parties with which they have entered into any agreements, arrangements or understandings which relate in any way to the authorization being allocated.

9. Miscellaneous Information
Applicants wishing to submit a statement of verifiable reasons sufficient to justify, and or enhance their chances may do so if they so wish.