



**ZAMBIA INFORMATION AND COMMUNICATIONS TECHNOLOGY
AUTHORITY**

LICENSING GUIDELINES

JULY 2017

REVISED LICENSING GUIDELINES

The Zambia Information and Communications Technology Authority (ZICTA) is established in terms of section 4 of the Information and Communication Technologies Act (ICT) No. 15 of 2009 (the Act), Section 6 of the Act empowers ZICTA to regulate the provision of electronic communication services and products and monitor the performance of the sector, including the levels of investment and the availability, quality, cost and standards of the electronic communication services.

Under Parts III, IV and VI of the Act the Authority is empowered to prescribe the manner of application for electronic communication licences and assignment of scarce resources as well as prescribing their standard terms and conditions. Under section 7 of the Act, the Authority is empowered to make guidelines for the better carrying out of its mandate.

Pursuant to the mandate referred to above, the Authority issues these guidelines.

DEFINITIONS

In these guidelines unless the context otherwise requires any word or expressions has the meaning assigned to it in the Act -

“Act” means the Information and Communication Technologies Act No. 15 of 2009; and

“Authority” has the meaning assigned to it under the Act.

PART I
LICENSING OF ELECTRONIC COMMUNICATIONS UNDER
SECTION 10 THE ACT

1. CLASSIFICATION OF LICENSES

(1) The Authority shall issue licenses in the following broad categories :

- (a) **Network Licence:** This licence category allows the holder of the licence to construct, own or make available an electronic communications network, or to provide a network service; and
- (b) **Service Licence:** this licence category allows the holder of the licence to provide one or more electronic communications services.

(2) The Authority shall, in respect of each of the licenses referred to in (1) issue the following classes of licenses:

(a) Individual licence

This is a major network or service licence with significant economic and social impact and significant regulatory obligations. This Licence may also require the extensive use of radio frequency spectrum and other finite resources.

(b) Class Licence

This is a type of licence with less significant economic and social impact in comparison to an individual licence.

2. MARKET SEGMENT

- (1) The following shall be the designated market segments:
 - a) **International Market Segment** - in this segment, the Licensee shall be authorized to offer, to the international market, services from one or more of the four market segments.
 - b) **National Market Segment** - in this segment, the licensee shall be authorised to build a nationwide network or provide a nationwide service.
 - c) **Provincial Market Segment** - in this segment, the licensee shall be authorised to provide a service in a province.
 - d) **District Market Segment** - in this segment, the licensee shall be authorised to build a network or provide a service in a district.
- (2) A licensee who holds a licence in a higher Market segment shall not hold a licence in a lower Market segment.
- (3) For the purposes of these guidelines, the Authority may determine the geographic extent of the market segments.

3. SCOPE OF LICENSES

The following shall be the general scope of the licences :

- (1) **Network Licence - Facilities and/ or Services**
 - (a) This licence authorises ownership and control of electronic communications facilities. This includes both the active and passive elements of a network.

Electronic communications facilities shall include but not be limited to the following:

- i. Wire ;
- ii. Cable;
- iii. Antenna ;
- iv. Mast;
- v. Space Station ;
- vi. Lease Circuit ;
- vii. Cable Landing Station;
- viii. International Gateway;
- ix. Earth Station ; and
- x. Radio Apparatus

(b) The facilities in (a) above can be used in connection with electronic communications, including where applicable:

- i. Colocation space;
- ii. Monitoring equipment ;
- iii. Space on or within poles, ducts, cable trays, manholes, hand holds and conduits; and
- iv. Associated support systems, sub-systems and services, ancillary to such electronic communications facilities or otherwise necessary for controlling connectivity of the various electronic communications facilities for proper functionality, control, integration and utilisation of such electronic communications facilities.

(c) For purposes of this provision, facilities means an electronic communications facility or combination of electronic communications or other facilities that is exclusively or predominantly provided by a single or limited number of licenses and cannot feasibly (whether economically, environmentally or technically) be substituted or duplicated in order to provide the service.

(2) Service Licence

The Service Licence shall have two (2) categories namely category A and category B. Category A licence holders shall be in possession of a network licence and shall be able to provide services. Category B service licence

holders shall not be in possession of a network licence but shall be able to provide services.

4. LICENCE CATEGORIES

The Licence Categories are as shown in the table below-

Table 1: Network Licence- (Facilities and /or Services)

Market Segment	Type of facility	Application Fee (Fee Units)	Initial Licence fee(Fee Units)	Annual Operating Fee(% of GAT)	Duration (Years)	Type of Licence
International	Gateway facilities such as Earth Station, VSAT/ Hub, Switching Centres, Nodes and Servers and others.	55,556	10, 850, 000	1.5	15	Individual
National	Switching, transmissions and access facilities such as VSAT, Microwave links, Fixed links, Switching Centres, Laid cables; Fibre Optic, Exchange, Nodes, Servers,	55,556	4,000,000	1.5	10	Individual
Provincial		27,778	555,560	1.5	5	Individual
District		5,556	277,780	1.5	5	Class

	Towers, Ducts, Transmitters and Links and other					
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Table 2: Service Licence Category A: With Network Licence

Market Segment	Type of Service	Application Fee(Fee Units)	Initial Licence Fee (fee Units)	Annual Operating Fee (% of GAT)	Duration	Type of Licence
National	To provide to the public voice, message, Internet services, Internet Telephony (VoIP), pay phone, Value Added Services, Data services, Tracking services etc.	55,556	1,000,000	3	10	Individual
Provincial	To provide to the Public, voice, message, Internet services, Internet Telephony (VoIP), pay phone, Value Added Services, Data	5,556	555,560	3	5	Individual
District			277,780	3	5	Class

	services, Tracking services etc.					
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Table 3: Service Licence Category B: Without a Network Licence

Market Segment	Type of Service	Application Fee	Initial Licence Fee	Annual Operating Fee(% of GAT)	Duration	Type of Licence
National	To provide to the public voice, message, Internet services, Internet Telephony (VoIP), pay phone, Value Added Services, Data services, Tracking services etc.	27,778	1,250,000	3	3	Class
Provincial			694,450	3	3	Class
District			347,225	3	3	Class

5. EXEMPTIONS OF SPECIFIC PERSONS AND ACTIVITIES

- (1) Where the Authority exempts certain persons and activities from the necessity to be licensed under the provisions of the Act, the Authority shall publish a list of such persons or activities.
- (2) An assignment shall not be required for any activities published by the Authority as exempt.

- (3) A person who intends to make use of those exempt activities in (1) shall register with the Authority.

6. CLASS LICENCE APPLICATION PROCEDURE

The following procedure shall be used when applying for a class licence:

- (1) The applicant shall obtain the prescribed application form at the Authority's registered office or online from the Authority's website (www.zicta.zm).
- (2) The applicant shall then submit a duly completed form in duplicate together with payment of the prescribed application fee.
- (3) For avoidance of doubt, the sixty (60) day statutory period within which the Authority shall issue or reject the application shall only begin to run upon receipt of a duly completed form and payment of the application fee and an official receipt being issued by the Authority.
- (4) In the event that the Authority requires further information from the applicant, the Authority shall inform the applicant of the need to furnish that information in the prescribed form.
- (5) Where the applicant fails to provide the information requested within fourteen (14) days from the requested date or such other longer period as the Authority may consider appropriate, the application shall be rejected by the Authority.
- (6) The Authority shall, prior to issuance of a licence to an applicant, satisfy itself that the applicant has the financial and technical capability to construct, own or make available a network or provide the service associated with the licence.

- (7) In the event that the Authority determines during consideration of an application, that there has been misinformation relating to a material particular or that the applicant has withheld material information, the Authority may reject the application.
- (8) The Authority shall notify the applicant in writing, within 14 days on the outcome of the application. Where an application has been rejected, the Authority shall inform the applicant of the rejection and the reasons thereof.
- (9) Upon payment of the initial licence fee, the Authority shall issue an electronic communications network or service Licence containing the applicable terms and conditions related to the network to be established or service to be provided.
- (10) The licensee shall within six (6) months from the date of issue of the licence commence operations in default of which the licence shall lapse.
- (11) A licence may be renewed upon the licensee's written notice to the Authority, which notice shall be submitted at least three (3) months prior to the expiration of the licence.
- (12) The Authority shall renew the Licence subject to the provisions of the Act on the same terms and conditions as those applicable to the licensee during the preceding licence period provided that the licensee has not been in material breach of the licence conditions.
- (13) An applicant for a Network Licence shall submit a Comprehensive Business Plan with the following minimum Requirements:
 - (a) Company information on shareholders, relevant company registration documentation, list of directors, place of domicile and tax clearance;
 - (b) Technical Plan;
 - (c) Roll-out plan;
 - (d) Network diagrams and explanations;
 - (e) Target customers;

- (f) Pricing for the products and services. The prices must be accompanied by the pricing structure which indicates how the final prices have been arrived at;
 - (g) Financial projections including the projected Comprehensive Income Statement and Statement of Financial Position for the next three years;
 - (h) Anticipated Capital expenditure;
 - (i) Value Proposition;
 - (j) Details of Management Team showing technical and business management capability;
 - (k) Financial capability supported by legitimate proof of funding; and
 - (l) Indication of scarce resources that may be required from ZICTA.
- (14) Licensing of scarce resources will be done in accordance with part II of these guidelines.
- (15) An applicant for a Service Licence shall submit a comprehensive Business Plan with the following minimum Requirements:
- (a) Company information on shareholders, relevant company registration documentation, list of directors, place of domicile and tax clearance;
 - (b) Type of services and applications to be offered with roll-out plan;
 - (c) Network to be used and proof of agreement with Network Facilities Provider;
 - (d) Target customers;
 - (e) Pricing for the products and services. The prices must be accompanied by the pricing structure which indicates how the final prices have been arrived at;
 - (f) Financial projections including the projected Comprehensive Income Statement and Statement of Financial Position for the next three years;
 - (g) Anticipated Capital expenditure;
 - (h) Value Proposition;
 - (i) Details of Management Team showing technical and business management capability;
 - (j) Financial capability supported by legitimate proof of funding;
 - (k) Indication of scarce resources that may be required from ZICTA; and
- (16) The business plan shall form part of the terms and conditions of the licence.

7. INDIVIDUAL LICENSE APPLICATION PROCEDURE

The Authority shall determine the application procedure depending, among other considerations, on the availability of resources.

The application for an individual licence shall take the following forms:

(1) Unsolicited Application

- (a) The Authority shall consider an unsolicited application where there is no actual or likely demand for scarce resources as determined by the Authority or where no scarce resources will be required.
- (b) The application procedure for an unsolicited application shall be as contained in clause 6 (1)- (12) of these Guidelines.
- (c) The Authority shall within 60 days of receipt of an application, grant or reject the application taking into consideration the technical and financial capability and the availability of resources.

(2) Competitive process

- (a) Where there is actual or likely demand for scarce resources as determined by the Authority, an application may be determined by a competitive process as provided for in these guidelines.
- (b) The Authority shall invite the public to apply for licenses as and when the Authority deems appropriate to meet the regulatory objectives.

(3) Upgrading of licences

- (a) An existing individual licensee intending to upgrade the market segment or provide additional services shall apply to the Authority in the manner prescribed in sub clauses 1 or 2.
- (b) The applicant shall be subjected to the evaluation criteria in clause 8.

8. EVALUATION CRITERIA FOR INDIVIDUAL LICENCE AND RESOURCE APPLICATIONS

- (1) This criteria shall apply to-
 - (a) a licensee who intends to upgrade their licenses from one market segment to another and/or obtain additional resources;
 - (b) a licensee who intends to provide additional services and/or obtain additional resources; or
 - (c) a prospective entrant into the ICT sector.

- (2) This criteria is aimed at licensing of viable players and efficient allocation of optimal resources which includes spectrum and numbers.

- (3) Requirements for financial evaluation

The applicant shall submit the following information which relates to the Applicant:

- (a) A business profile relating to responsibilities, capital structure and legal establishment of the business. The level and nature of Zambian participation must be clearly outlined by the applicant. The applicant must indicate the direct and indirect shareholdings together with percentages of the ownership.

- (b) History and experience of the applicant in the establishment and operation of electronic communications networks and services including the size of the network, number and type of clients and countries of operation. The applicant shall provide information regarding any licences previously and currently held relating to the provision of electronic communications networks and services.

- (c) Financial history including audited financial statements for the last three years. The Financial statement must contain a balance sheet, income statement and the cash flow statement. In case of a consortium,

members with 20% equity and above should submit the said financial history. The applicant shall also submit the total investments in each country where it has been operating in the last three (3) years.

(d) A description of potential sources of funding presented in form of a financial plan with evidence supporting investment forecast. The applicant shall submit the following as proof of source of investment :

- i. Commitment letter from the Shareholders or consortium partner;
- ii. Financial statements from the company providing funding, to ensure that it is capable of fulfilling its commitments;
- iii. Letters of intent from financial institutions in the event of a loan, or from suppliers in the case of supplier credit; and
- iv. Adequate working capital to offer the ICT services and products.

An applicant shall submit the following information which relates to the market penetration strategy:

- (a) A description of the current and future (up to three (3) years) key market characteristics reflecting the applicant's view of the evolving Zambian ICT market;
- (b) a marketing plan which shall demonstrate the applicant's knowledge of the current and future market needs and strategies for fulfilling its licence obligations, stating the applicant's forecast market share and how it intends to acquire that market share in the next three (3) years;
- (c) a detailed market analysis which shall include among other requirements-
 - i. Identified key market trends and a description of how the trends may influence the operations of the applicants electronic communications networks and services;
 - ii. The expected competition that the applicant is likely to bring to the market and how it shall improve service delivery , prices of goods and services and consumer experience in the ICT Sector;
 - iii. A detailed SWOT analysis of the market;
 - iv. A detailed demand analysis based on the applicants service and product delivery;

- v. Market Strategy to cover customer segmentation and product differentiation. This should also elaborate on the distribution channels of the applicants products and services taking into account Zambia's geographical boundaries with some areas characterized by poor road networks;
- vi. Market share projections in relation to competitors over a period of five (5) years;
- vii. Description of a range of products and services to be offered to the public including the associated price points or proposed tariff plans. The pricing structure must be cost based, non-discriminatory and transparent in accordance with tariff approval requirements under the Act;
- viii. Commercial launch schedule of the products and services ;
- ix. Revenue or sales projection by product and service over a period of five (5) years;
- x. Promotion strategy aimed at penetrating the market during the launch phase; and
- xi. Customer Care strategy including the establishment of call centres and other mediums of customer information dissemination.

The applicant shall submit a detailed human resource plan highlighting the following:

- (a) Initial management team including consultants who may be incorporated to assist in start-up;
- (b) qualifications and experience of the management team or consultants;
- (c) Organizational structure; and
- (d) Personnel plan for the respective departments for five years indicating the percentage .

The applicant shall submit the following information which relates to Financial Projections:

- (a) Evidence of financial capability to successfully accomplish the business projections and fulfil the licence terms and conditions ;

- (b) The information provided, together with assumptions, should cover a minimum period of five (5) years following the grant of the licence, and shall include investment and expected return on investment. The level of investment must commensurate with the licence being applied for in the following categories:
- i. **District Market segment:** The level of investment must be able to support growth in coverage at an incremental rate of at least 15% Per year;
 - ii. **Provincial Market segment :** The level of investment must be able to support growth in coverage at an incremental rate of at least 15% per year;
 - iii. **National Market Segment:** The level of investment must be able to cover the entire nation with growth in coverage at an incremental rate of at least 15% per year; and
 - iv. **International Market Segment:** The level of investment must commensurate with the ability to offer international services. Additionally, the applicant is must ensure that it meets the coverage obligations at the national level at an incremental rate of at least 15%;
- (c) Investment appraisal indicating the Net Present Value of the expected cash flows, the Internal Rate of Return (IRR) and the payback period;
- (d) Detailed forecast balance sheets which must indicate the anticipated capital expenditure to be made in Zambia in the next five (5) years;
- (e) Detailed forecast Income statements for at least five (5) years; and
- (f) Forecasted cash flow statements for at least five (5) years.
- (4) The Authority may select portions of information submitted by the applicant relating to the financial evaluation to form part of the terms and conditions of the licence.

(5) Requirements for Technical Evaluation

The applicant shall submit the overall system architecture and configuration which shall include the following:

(a) Core Network

The applicant shall provide the detailed core network architecture and all the elements thereof. The applicant shall demonstrate that sufficient capacities reflecting the subscriber projections are provided for together with the type of switching elements and redundancy capabilities. The applicant shall state the Grade of Service to be achieved in line with international best practice.

(b) Transmission Network

The applicant shall demonstrate that the backhaul transport links regardless of transmission media and technology to be employed conform to the following Carrier Grade minimum requirements:

- i. the system must be capable of providing end-to-end operational, administrative and management (OAM) facilities in compliance with the Authority's acceptable standards;
- ii. Automatic Protection Switching (APS) mechanisms to provide sub-50ms protection switching time; and
- iii. Highly resilient transport network with route redundancy that achieves network availability of at least 99.98%.

(c) Access Network

The applicant shall submit a Quality of Service plan that includes a methodology of measurement of Quality of Experience. The adopted measurement methodologies must be end-to-end methodologies, in compliance with the Authority QOS guidelines.

(d) Coverage

An applicant shall submit details of its coverage plans in line with the minimum technical requirements shown in the table below.

Technology (MHz)	CS (kHz)	SENS (dBm)	FS (dBµV/m)
GSM 900	200	-104	30
GSM 1800	200	-104	36
UMTS 2100	5,000	-80	61
LTE 700/800		-80	53
LTE 1800-2000	5,000	-80	61
LTE 1800-2000	10,000	-77	64
LTE 1800-2000	20,000	-74	67
WiMAX*	5,000	-80	53
WiMAX*	10,000	-77	56
WiMAX*	20,000	-74	59

(e) An applicant shall submit an equipment list to ensure compliance to the standards set out in the type approval guidelines.

(6) Spectrum Management

An applicant shall demonstrate the ability to efficiently utilise the allocated spectrum.

(7) Interconnection and Numbers.

(a) An applicant for an international individual network licence must demonstrate the interconnection system capability . The applicant shall be allocated one or more resources if any as shown in the table below :

No.	Resource	Condition
1	Rec ITU-T E.164: The international public telecommunication numbering plan.	The numbers shall only be issued to applicants of International <u>Individual Network Licence</u> for the provision of voice services, and planning to develop a Public Switched Telephone Network (PSTN) and some other data networks.
2	Rec ITU-T E.212: The international identification plan for public networks and subscriptions.	The numbers shall only be issued to applicants of International <u>Individual Network Licence</u> for the provision of voice services, and planning to develop a Public Land Mobile Network (PLMN)

3	Rec ITU-T Q.708: Assignment procedures for international signalling point codes	The numbers shall only be issued to applicants of International <u>Individual Network Licence</u>
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- (b) An applicant requiring number resources for other license categories shall apply to the Authority which may assign the number resources in line with the national numbering plan.

(8) Interoperability

An applicant shall demonstrate the ability of the proposed network facilities to interconnect with other networks in all market segments. The network interface shall comply with the Authority's acceptable standards.

(9) Technical Experience

An applicant shall demonstrate the ability to provide electronic communications networks and services and where applicable show proof of having provided similar services. This information shall include the size of the network, the subscriber base and the type of services provided.

(10) Mobile Virtual Network Operator (MVNO).

- (a) An MVNO shall demonstrate that the Mobile Network Operator (MNO) hosting it has the ability to provide sufficient capacity in order to avert congestion on its network as a result of leasing.
- (b) The MVNO shall submit the MNO'S Quality of Service performance records covering a period of two (2) years preceding the application.
- (c) The MVNO shall provide written proof that the MNO is willing to enter into a commercial capacity leasing agreement.

(11) Quality of Voice Over Internet Protocol (VOIP) and Voice Over Long Term Evolution (Vo-LTE) Services

- (a) An applicant shall demonstrate that the VOIP/VOLTE services it intends to provide meet the minimum QOS standards as specified by the Authority in the QOS guidelines.

- (b) For VoIP and VoLTE to be regarded as a replacement or equivalent for standard public switched telephone network (PSTN) telephony services, subscribers are expected to receive the same quality of voice transmission as they do with basic telephone services i.e. consistently high-quality voice transmissions. Therefore, the applicant shall be required to guarantee sustained bandwidth for the duration of the VoIP/VoLTE call.
- (c) The VoIP/VoLTE network should, therefore, be able to support concurrent calls without buffering or jittering. The applicant shall be expected to demonstrate availability of the bandwidth requirements that the VOIP/VoLTE phone service requires to handle concurrent calls. The Authority expects minimum sustained bandwidth speeds of 2Mbps up and down for VoIP/VoLTE calls, as well as recommend speeds of 5-10Mbps up and down for optimal performance.
- (d) An applicant shall ensure that the network codec is designed as per ITU-T G.729 standard so that packet loss is less than one percent (1%) to avoid audible errors. It is the obligation of the applicant to ensure there is no packet loss for VoIP/ VoLTE. The voice-over-internet conversation must be continuous without drops or losses.
- (e) An applicant shall adhere to the ITU G.114 specification (among other standards) which recommends less than 150 millisecond (ms) one-way end-to-end delay for high-quality real-time traffic such as voice. (For international calls, one-way delay up to 300 ms is acceptable, especially for satellite transmission).

(12) Information Security Management System

An applicant shall demonstrate how it shall secure its networks, applications and customer data and must provide a detailed business continuity program to ensure reliable services.

- (13) The Authority may select portions of information submitted by the applicant relating to the technical evaluation to form part of the terms and conditions of the licence.

PART II
ASSIGNMENT OF SCARCE RESOURCES UNDER

PARTS IV AND VI OF THE ACT

9. SPECTRUM ASSIGNMENT

- (1) This Part shall apply to Spectrum and Numbering resources.
- (2) Where applicable, the assignment of scarce resources shall be issued at the same time as an associated electronic communication licence under Part I of these Guidelines.
- (3) Priority to licence scarce resources with actual or likely demand as designated by the Authority, shall be given to applicants with roll out plans that commence network deployment in rural and underserved areas first.

(4) SPECTRUM CATEGORIES

- (a) **District Licence-** this licence authorizes the operator to use and offer Radiocommunication services in a district;
 - (b) **Provincial Licence -** this licence authorizes the operator to use and offer Radiocommunication services in a province; or
 - (c) **National Licence-** this licence authorizes the operator to use and offer Radiocommunication services countrywide.
- (5) Where there is high demand, spectrum shall be assigned through a competitive process including where applicable, as prescribed in Clause 7, of these guidelines.
 - (6) Where the demand for spectrum is low, spectrum shall be assigned subject to the technical and financial evaluation on a first come first serve basis.
 - (7) The spectrum licence types and fees applicable are shown in the table below

CLASS ASSIGNMENT			
SERVICE TYPE	BAND	CATEGORY	FEE UNIT
Radio location	-	Per transmitter (station)	278
Citizen Band	27MHz	Per transmitter (station)	166
Radio Model Licence	-	Per transmitter (station)	222
Aeronautical Commercial Licence	All Aeronautical bands	Per channel per broadcasting area	5,556
Aeronautical Non-commercial Licence	All Aeronautical bands	Per channel per broadcasting area	2,778
Aircraft Licence	All Aeronautical bands	Per aircraft	1,389
Amateur Licence	All Amateur bands	Per certificate	347
ISM	2.400 - 2.500GHz 5.725 - 5.875GHz. And all other ISM bands		Free
SADC HF Cross Border	Cross-border channels	Per licence	5,556
INDIVIDUAL ASSIGNMENTS			
<i>District Services</i>			
FM/SW/MW Sound Broadcasting	87.5 - 108MHz	Per transmitter (station)	Lusaka, Copperbelt and Livingstone broadcasting areas: 16,667 Others: 5,556
TV Broadcasting - Terrestrial	174 - 238MHz 246 - 254MHz 470 - 806MHz	Per transmitter (station)	Lusaka, Copperbelt and Livingstone broadcasting areas 33,333 Others: 13,889

Land Mobile bands	0.009 -30MHz	Per channel per broadcasting area	<ul style="list-style-type: none"> • Standard HF shared channel: 2,778 per channel. • Standard HF exclusive channel: 5,556 per channel. • Special channels (Emergency channel, common use channels): Free.
Land Mobile bands	138 - 174MHz 230 - 235MHz 335.4 - 399MHz 406 - 430MHz 440 - 450MHz	Per channel per broadcasting area	<ul style="list-style-type: none"> • Standard (simplex) channel: 2,778 per channel per broadcasting area. • Special channels (Emergency channel, common use farmers channels): Free.

Transmission links Microwave link bands	1.350 - 1.400GHz 5.925 - 8.500GHz 10.70 - 12.50GHz 12.75 - 13.25GHz 14.50 - 15.35GHz 17.30 - 19.70GHz 22.00 - 24.00GHz	Per transmitter	<ul style="list-style-type: none"> • 2,778
Satellite	All Satellite bands	Per transmitter	<ul style="list-style-type: none"> • Cross Border: 130,000 • Domestic Urban: 13,889 • Domestic rural: 5,556 • Radio Determination: Free • Satellite based devices: 1,389 • Satellite News Gathering: 1,389
Maritime bands	All maritime bands	Per channel per broadcasting area	<ul style="list-style-type: none"> • Standard (simplex) channel: 2,778 per channel per broadcasting area. • Special channels (Emergency channel, common use maritime channel): Free.
Commercial (Community) Repeater	-	Per licence	13,889
Paging Commercial Licence	-	Per licence	55,556
Paging bands	138 - 174MHz	Per channel	<ul style="list-style-type: none"> • Standard

	230 - 235MHz 335.4 - 399MHz 406 - 430MHz 440 - 450MHz	per broadcasting area	(simplex) channel: 2,778 per channel per broadcasting area. • Special channels (e.g. Emergency channel): Free.
Provincial Services			
3.5GHz band	3400 - 3600MHz	Per 1Mhz per province	13,889 PER MHz
5.4GHz band	5470 - 5720MHz	Per 1Mhz per province	13,889 PER MHz
10.5GHz band	10.15-10.3 GHz//10.5- 10.65 GHz	Spectrum Fee Formula (i.e. Per 1MHz per province)	13,889 PER MHz
National Services			
Mobile license initial spectrum licence fee	1900-2200Mhz	Per licence	12,000,000
GSM Bands	880 - 960MHz 1710 - 1880MHz	Per 200KHz	155,556
2.1GHz band (3G Spectrum)	1900 - 2200MHz	Per 200KHz	155,556
2.3GHz band	2300 - 2400MHz	Per 1Mhz per province	13,889
2.5GHz band	2500 - 2690MHz	Per 1Mhz per province	13,889
3.3GHz band	3400 - 3600MHz	Per 1Mhz per province	13,889

(8) Unsolicited Radio Spectrum Assignment Application Procedure

- (a) The following procedure shall be used when applying for assignments for class and non optimal radio frequency spectrum:
- i. The applicant shall obtain the prescribed application form at the Authority's registered office or online from the Authority's website (www.zicta.zm).
 - ii. The applicant shall then submit a duly completed form in duplicate together with payment of the prescribed application fee.
 - iii. For avoidance of doubt, the sixty (60) day statutory period within which the Authority shall issue or reject the application shall only begin to run upon receipt of a duly completed form and payment of the application fee and an official receipt being issued by the Authority.
 - iv. In the event that the Authority requires further information from the applicant, the Authority shall inform the applicant of the need to furnish that information in the prescribed form.
 - v. Where the applicant fails to provide the information requested within fourteen (14) days from the requested date or such other longer period as the Authority may consider appropriate, the application shall be rejected by the Authority.
 - vi. The Authority shall, prior to issuance of a licence to an applicant, satisfy itself that the applicant has the financial and technical capability to construct, own or make available a network or provide the service associated with the licence.
 - vii. In the event that the Authority determines during consideration of an application, that there has been misinformation relating to

a material particular or that the applicant has withheld material information, the Authority may reject the application.

- viii. The Authority shall notify the applicant in writing, within 14 days on the outcome of the application. Where an application has been rejected, the Authority shall inform the applicant of the rejection and the reasons thereof.
- ix. Upon payment of the initial licence fee, the Authority shall issue a radio spectrum licence containing the frequency or frequency range and all applicable conditions relating to the radio station to be established.
- x. The licensee shall within six (6) months from the date of issue of the licence commence operations in default of which the licence shall lapse.
- xi. A licence may be renewed upon the licensee's written notice to the Authority, which notice shall be submitted at least thirty (30) days prior to the expiration of the licence. The renewal procedure shall be the same as that of a new application.
- xii. The Authority shall renew the Licence subject to the provisions of the Act on the same terms and conditions as those applicable to the licensee during the preceding licence period provided that the licensee has not been in material breach of the licence conditions.
- xiii. In order to ensure compliance with the provisions of the Act and the terms and conditions of any licence or assignment, the Authority shall carry out inspections and may appoint such telecommunications Officers as may be necessary for that purpose.

(b) Competitive Radio spectrum assignment procedure

The Authority shall assign optimal spectrum as prescribed in clause 7 of these guidelines.

(9) Consideration of Applications

In considering an application for a radio spectrum licence, the Authority may take the following factors into account:

- (a) The principles of good management of the radio spectrum as a natural resource and as a public facility;
- (b) Existing and possible future frequency allocations at national, Southern African Development Community (SADC) and international level; and
- (c) The nature of the service for which the radio spectrum is sought.

10. Allocation of Numbering Resources

- (1) The Authority shall issue number resources in accordance with the National Numbering Plan and Numbering Guidelines.
- (2) Geographical numbers (ITU-T E.164), Mobile Network Codes (ITU-T E.212) and International Signaling Point Codes (ITU-T Q.708) shall only be issued to licensees offering services that require such resources.
- (3) The number resource categories and their respective fees in fee units are shown in the table below.

1	Registration Fees	Fee mode	Fee Units
	All other Categories		40,000
	Carrier Pre -Selection		200,000
2	Annual Fees		
	Fee per Subscriber Number (C)	Annual fee formula	1
	Annual Fee(F_A)		
2.2	Other Codes		
	Mobile Network Code (MNC)		20,000
	National Destination Code (NDC)		20,000

	International Signaling Point Codes (ISPCs)		20,000
	National Signaling Point Codes (SPCs).		20,000
	Network Colour Codes		20,000
	SIM Headers		10,000
	Service Numbers(Freephones,Premium)		10,000
	Carrier Selection Codes		100,000
2.3	Short Codes		
	3 digits		100,000
	4 digits		60,000

“The Authority may issue special conditions, over and above the standard licence terms and conditions referred to in the Third Schedule of the Act. These special terms and conditions may or may not be unique to a particular licensee.”