

GUIDELINES ON SUBMISSION OF APPLICATION FOR FACILITIES-BASED OPERATIONS LICENCE

1 INTRODUCTION

- 1.1 The Singapore telecommunication services market was fully liberalised from 1 April 2000. As required under the Telecommunications Act 1999 (“**Act**”), any person operating and providing telecommunication systems and services in Singapore has to be licensed.
- 1.2 The Info-communications Media Development Authority (the “**Authority**”) has adopted a two-pronged licensing approach that differentiates between licensees based on the nature of their operations, i.e., whether facilities-based or services-based type of operations. This document (the “**Guidelines**”) is intended to provide an overview of the licensing framework for licence applicants intending to deploy facilities-based operations (“**FBO**”) in Singapore and to guide them in their applications for the relevant licences.
- 1.3 The licensing framework is formulated on a hierarchical basis with FBO licences being at the higher hierarchical level. In other words, licensees who are licensed as FBO will be able to offer the services that Services-Based Operations (“**SBO**”) licences can offer, but not vice versa. Also, the intention is that an entity should only require a single licence for all the networks/services it intends to operate/offer. Hence, if a SBO licensee decides to deploy its own network subsequently, it will have to apply to be licensed as an FBO licensee. The FBO licence will then replace its SBO licence.



2 DESCRIPTION OF FACILITIES-BASED OPERATIONS

- 2.1 Facilities-based operations refer to the deployment and/or operation of any form of telecommunication network, systems and/or facilities by any person for the purpose of providing telecommunication and/or broadcasting services outside of his own property boundaries to third parties¹, who may include other licensed telecommunication operators, business customers or the general public. Parties intending to deploy such operations will require an FBO licence from the Authority.
- 2.2 Telecommunication networks, systems and facilities include any telecommunication infrastructure for the carriage of telecommunication or broadcast traffic. The traffic may be cross-border or local in nature, and the network coverage may be nationwide or only confined to selected geographical areas in Singapore. These may include mobile communications systems (e.g., base stations, mobile switching centres) required to offer public cellular mobile telephone, trunked radio or mobile data services; and fixed telecommunication systems (e.g., switches, optical fibre, ducts and manholes, submarine cable systems, international cable and satellite gateways) required to offer local and international voice and data services. For the avoidance of doubt, an entity who intends to activate its own Indefeasible-Right-of-Use (“IRU”) capacities on submarine cable systems or light international dark fibre to offer telecommunication services in Singapore, is required to apply for an FBO licence from the Authority to do so. Interested parties should note that separate licences or authorisation may be required from other relevant government agencies for the deployment and/or provision of certain types of networks and/or services.
- 2.3 The range of telecommunication services to be provided over the licensees’ facilities may include the following:

¹ A corporation (whether incorporated in Singapore or elsewhere) that leases telecommunication network elements (such as transmission capacity and switching services) from any FBO licensee or SBO licensee licensed by the Authority to provide telecommunication services solely within the corporation itself or to its related corporations (including its holding companies or subsidiaries) is not required to obtain an FBO Licence. For the purpose of this exception, “holding companies”, “subsidiaries” and “related corporations” shall have the same meaning as provided under the Companies Act 1967.

- International Simple Resale (ISR)²
- Internet Exchange Services
- IP Telephony Services
- Machine-To-Machine (M2M) Services
- Managed Data Network Services
- Mobile Virtual Network Operation (MVNO) Services
- Public Internet Access Services³
- Public Mobile Data Services (PMDS)
- Public Switched Telephone Services
- Public Switched Integrated Services Digital Network (ISDN) Services
- Public Trunked Radio Services (PTRS)
- Resale Of Local Leased Fixed-Line Connectivity Services⁴
- Satellite Mobile Telephone or Data Services
- Terrestrial Telecommunication Network for Broadcasting Purposes
- Virtual Private Network Services

2.4 Interested applicants who intend to deploy submarine cables may refer to the guidelines on deployment of submarine cables into Singapore, and on the management of submarine cable incidents here: <https://www.imda.gov.sg/regulations-and-licensing-listing/deployment-and-repair-of-submarine-cable-systems> for more information.

² This includes both voice and data traffic.

³ Licensees who intend to offer services such as Public Internet Access Services and Internet Exchange Services are required to comply with the Decision on the Internet Protocol “No Islanding” Principle which came into effect from 1 June 2013. A copy of the Decision can be downloaded at https://www.imda.gov.sg/-/media/imda/files/inner/pcdg/consultations/20110620_noislandingprinciple/intpronoislprinciple.pdf. Licensees are required to apply to register as an Internet Access Service Provider within 14 days of commencement of Internet service as prescribed under the Broadcasting (Class Licence) Notification.

⁴ It will include Backhaul Bandwidth Capacity Services.

3 GENERAL LICENSING AND REGULATORY FRAMEWORKS

Licensing Framework

- 3.1 Parties interested in applying for an FBO licence shall submit their proposals to the Authority in accordance with the requirements outlined in **Annex 1** of the Guidelines.
- 3.2 The Authority does not pre-determine the number of FBO licences to be issued. There may however be radio frequency spectrum or other resources and physical constraints that will limit the number of licences available for certain networks and/or services.
- 3.3 Applicants for an FBO licence shall be a company incorporated under the Singapore Companies Act 1967. There are no foreign equity limits imposed on FBO licensees.
- 3.4 The Authority will evaluate an FBO licence application based on its merits. The Authority will take into account the following in its evaluation of the merits of an applicant's proposal:
- (a) vision of the applicant;
 - (b) organisational structure and financial capability and strength of the applicant;
 - (c) competition strategies of the applicant for the provision of services;
 - (d) technical soundness of the applicant's plans and technical capability to implement the plans;
 - (e) commitments of the applicant in fulfilling its vision and plans; and
 - (f) any other relevant information provided by the applicant.

The Authority will also consider the benefits that will be brought by the applicant to the industry, consumers and the Singapore economy as a whole in terms of the investments in Singapore; enhancement of the telecommunication infrastructure, capacity, capability and connectivity; level of technological and service innovation and responsiveness; range and choice of products and services offerings;

competitive pricing; level of quality of service⁵ and level of customer service support, before awarding a licence to the applicant.

Please refer to **Annex 1** for an outline of the basic information to be provided for the FBO licence application.

- 3.5 In line with the Authority's technology-neutral approach, applicants are free to select the most appropriate technology for their proposed operations, based on their own commercial decisions, subject to resource limitations, physical constraints and public interest concerns, if any. Once the licence is granted however, a licensee will be required to seek the Authority's prior approval for any subsequent changes to its networks and service offerings.
- 3.6 Depending on the scope and requirements of their operations, the services offered and the reach of their customers, FBO licensees may apply to be designated as Public Telecommunication Licensees ("**PTL**")⁶ under Section 8 of the Act. PTLs enjoy certain provisions under the Act that facilitate the installation and maintenance of their systems; and protection of their systems. The Authority reserves the right to impose certain basic service obligations on PTLs where deemed necessary.

Regulatory Framework

- 3.7 All FBO licensees will be regulated in accordance with the licensing and regulatory frameworks established by the Authority, which are formulated under the provisions of the Act. **Annex 2** provides an outline of the key frameworks currently in place. Licensees are also required to comply with the Code of Practice for Competition in the Provision of Telecommunication and Media Services 2022 (**Telecom and Media Competition Code**), which aims to ensure the development of a fair and competitive telecommunication environment in Singapore. Other codes of practice and regulatory guidelines include the Code of Practice for Info-communication Facilities

⁵ Please refer to the Authority's website for the Authority's key quality of service (QoS) standards. These QoS standards are subject to review and update from time to time.

⁶ The Authority will consider favourably applications by an FBO licensee to be designated as a PTL if the FBO licensee commits to substantial infrastructure investment and rollout to offer services to a significant proportion of the population within a reasonable period of time.

in Buildings (**COPIF**) and the Accounting Separation Guidelines. Applicants may refer to the Authority's website for the licences issued to other FBO licensees, the Telecom and Media Competition Code, other codes of practice and regulatory guidelines issued by the Authority⁷.

- 3.8 The Authority recognises that the info-communications environment is dynamic and ever-changing. The Authority regularly reviews and refines the frameworks to ensure their relevance, taking into consideration market trends and developments.

Licence Fees and Licence Duration

- 3.9 The licence fee for FBO licences will be an annual recurrent fee based on Annual Gross Turnover ("**AGTO**") of the FBO licensees, subject to a minimum amount of \$80,000 or \$200,000, depending on whether the licensee is an FBO licensee or PTL respectively. There is no initial one-time licence fee payable. The duration of the licence will also differ depending on the scope of the licensee's operations. Successful applicants for the FBO licence will be required to pay the relevant licence fee as stipulated below:

Licence	Licence Fee	
• FBO	Licence Duration: 15 years, renewable for a further period as the Authority thinks fit.	
	Annual Fee (sum of the below):	
	First S\$50 million in AGTO ⁸	S\$80,000
	Next S\$50 - \$100 million in AGTO	0.8% AGTO ⁹
	Above S\$100 million in AGTO	1% AGTO ¹⁰

⁷ The Authority's website address is www.imda.gov.sg. The documents can be found under Regulations and Licensing section.

⁸ Annual Gross Turnover (AGTO) refers to the annual amount of consideration to which the FBO licensee expects to be entitled in exchange for the transfer of promised goods or services to customers in relation to all licensable activities under the FBO licence granted to the licensee by the Info-communications Media Development Authority.

⁹ This refers to the FBO licensee's incremental AGTO from \$50 million, i.e., an FBO licensee with AGTO of \$60 million will be required to pay a fee of \$80,000 + 0.8% of the incremental \$10 million of AGTO.

Licence	Licence Fee	
<ul style="list-style-type: none"> FBO Licensee designated as Public Telecommunication Licensee 	Licence Duration: 20 years, renewable for a further period as the Authority thinks fit.	
	Annual Fee (sum of the below):	
	First S\$50 million in AGTO	S\$200,000
	Next S\$50 - S\$100 million in AGTO	0.8% AGTO
<ul style="list-style-type: none"> Public mobile data services Public trunked radio services 	Licence Duration: 10 years, renewable for a further period as the Authority thinks fit.	
	Annual Fee (sum of the below):	
	First S\$50 million in AGTO	S\$80,000
	Next S\$50 - S\$100 million in AGTO	0.8% AGTO
<ul style="list-style-type: none"> Terrestrial telecommunication network for broadcasting purposes only FBO (Satellite Uplink and Downlink) licensee 	Licence Duration: 10 years, renewable on a 5-yearly basis	
	Annual Fee: \$5,000	

- 3.10 Licensees are required to submit their AGTO statement that is audited by a certified public accountant using the special purpose audit SSA800 Standards, for the computation of the annual licence fee within six (6) months from the end of its financial year for the computation of the annual licence fee payable to IMDA

Performance Bond

- 3.11 The Authority will require the FBO licensees to roll out their networks and provide services in accordance with their offers and proposals as stated in their applications. Each FBO licence applicant shall provide the Authority with a performance bond for a sum amounting to 5% of its total budgeted capital investment as committed in its application made in favour of the Authority. The performance bond shall cover the

¹⁰ Similar to the example in footnote 11, this refers to the FBO licensee's incremental AGTO from S\$100 million.

material obligations of rollout, service provision and commitments as well as compliance with any directions issued by the Authority.

- 3.12 Each performance bond should be in the form of an electronic Banker's Guarantee ("eBG"). For more information on the submission of eBGs, including banks which support such submission, licensees may refer to the eGuarantee@Gov website (www.eguarantee.gov.sg). A guide on how to fill up the eBG template can be found in **Annex 3**.

4 LICENCE APPLICATION PROCEDURE

- 4.1 Interested parties who wish to apply to the Authority for an FBO Licence, should email its application, including all information as required in **Annex 1** of the Guidelines under a confidential cover with the title clearly marked "**APPLICATION FOR FACILITIES-BASED OPERATIONS LICENCE**" to the Authority at the following email address: ILO@imda.gov.sg.
- 4.2 Each application should include a content page and an executive summary, highlighting the main points and salient features of the proposal. Applicants should preferably use PDF, Microsoft Word and Microsoft Excel for their text and spreadsheets.
- 4.3 The Authority will acknowledge individually each application. Unless requested by the applicant, the Authority may disclose the identities, including the composition of the applicants. A list of FBO licensees licensed by the Authority will be published on the Authority's website. The Authority also reserves the right to disclose any information submitted by applicants where the Authority deems necessary for purposes of clarifying the licences awarded. All other information will be treated in confidence.
- 4.4 The Authority may seek clarification and additional information from the applicant arising from the licence application. Each application should include an address, contact telephone numbers, email address, name and designation of the contact person for correspondence with the Authority.
- 4.5 A successful applicant will generally be awarded its licence within four weeks of application submission, provided that the applicant has submitted all the necessary

information requested by the Authority for evaluation purposes and the Authority has completed all necessary clarifications with the applicant.¹¹

- 4.6 One licence will be issued to the successful applicant, regardless of the type and range of operations and services to be provided. The successful applicant must seek the prior approval of the Authority for any subsequent changes to the scope of its licensed operations and services. If such changes are approved, the Authority will revise the licence accordingly.
- 4.7 Applicants will be bound by all terms, commitments, offers, presentations, proposals, plans and obligations stated in their applications. Applicants must use their best efforts to ensure that the information and representations submitted in their applications are accurate in all aspects. Any change in the information contained in the application form, and subsequent information provided to the Authority, must be notified immediately to the Authority.
- 4.8 Successful applicants will be required to launch the commercial services proposed in their applications and stated in their licences.

5 CORRESPONDENCE/ENQUIRIES

- 5.1 Please email all enquiries, using company emails, clearly stating the company name, type of licence, addressed to Industry Liaison Officer, and emailed to ILO@imda.gov.sg.

¹¹ In the event that the Authority requires more than four weeks to assess the application due to unforeseen reasons, the Authority will notify the applicant about the additional time required.

Notes:

1. This document has no legal standing and is not intended as a substitute for legal advice. While every effort has been made to provide an accurate and authoritative account of the licensing regime, the licence to be granted to successful applicants will be the complete authoritative text.
2. The information contained in this document is intended to assist interested parties in applying for the relevant licences. It does not bind the Authority to any particular course of action in relation to the handling of any application, or to the terms of any licence to be granted, or to grant any licence to any party. The Authority reserves the right to change its policies and/or to amend this document without prior notice.
3. The grant of a licence is at the sole discretion of the Authority. The Authority reserves the right not to accept any application submitted. The Authority will undertake to explain to the applicant concerned, on the applicant's request, why the applicant is unsuccessful in its application for a licence.
4. The Authority reserves the right to disclose the identities of parties who have submitted applications. All other information received will be treated in confidence.

Annex 1

INFORMATION TO BE PROVIDED FOR THE FBO LICENCE APPLICATION

1 Vision

- 1.1 Singapore's vision is to be an Intelligent Nation, a Global City, powered by Infocomm. The applicant shall outline his own vision and how this will contribute towards realising Singapore's vision.

2 Organisational structure/financial capability and strength

- 2.1 The applicant shall provide information on:

- (a) the nature and structure of the applicant (for consortium members or single entity) in terms of whether:
 - (i) it has any subsidiary or associated companies, joint ventures and trusts;
 - (ii) it is a private or public entity; and
 - (iii) if public, details of public listings.
- (b) the corporate and shareholding structure of the applicant clearly indicating the ultimate ownership, both direct and indirect;
- (c) details of the composition of the Board of Directors and management structure. This includes the curricular vitae of the Directors and Chairman of the Board as well as the Chief Executive Office;
- (d) details of principal contractors;
- (e) applicants shall submit the following documents:
 - (i) photocopies of the applicant's incorporation documentation under the Singapore Companies Act 1967 including certified copies of the applicant's Memorandum and Articles of Association;

- (ii) authorised, issued and paid-up capital and relevant certificates indicating the amounts;
 - (iii) bankers' confirmation of deposits and/or available credit facilities;
 - (iv) copies of detailed audited accounts of the applicant (i.e., profit and loss accounts, balance sheets, cash flow statements and auditors' reports) for the last three financial years;
 - (v) latest interim results of the applicant;
 - (vi) budgeted projections of the applicant for the next three years (i.e., profit and loss accounts, balance sheets and cash flow statements); and
 - (vii) a schedule of financial debts, obligations and contingent liabilities of the applicant for the next three years;
- (f) the applicant's financial year cycle; and
- (g) the applicant's regulatory and finance contact information, including name, email, designation, contact number (telephone, mobile), and address.

2.2 The applicant shall provide its business, financial and funding plans of its proposed investment for the first five years of operation, including:

- (a) principal activities in Singapore, prior to obtaining the FBO licence (if it is granted by the Authority);
- (b) detailed business plans, including the profit and loss accounts, balance sheets and cash flow statements. The profit and loss accounts, balance sheets and cash flow statements shall be prepared in accordance with the Singapore Financial Reporting Standards. All assumptions used (e.g., asset depreciation policies, subscriber projections, annual increase/decrease in operating expenditure) shall be clearly explained;
- (c) financial ratios including return on assets, return on equity, operating profit margin, net profit margin, current ratio, quick ratio and debt-equity ratio. The formula used in computing each ratio shall also be provided;

- (d) forecasts of the internal rate of return, net present value and payback period of the investment. In addition, the net present value at 10%¹² and corresponding payback period shall be computed. The rate of return normally required by the applicant for capital invested shall also be provided (i.e., the hurdle rate);
- (e) a detailed plan of all capital expenditure and working capital requirements for the first five years of operations;
- (f) details of the proposed financing plan, including:
 - (i) the proposed sources of funds (internal or external), and the amounts from each source;
 - (ii) timing of funding initiatives and injection of funds;
 - (iii) planned repayment terms and schedule for loans, loan stock and debentures;
 - (iv) credit facilities available; and
 - (v) provisions made for contingent sources of funds. Where relevant, letters of intent, guarantor letters and other documents should be provided to substantiate the financing plan and loan/credit facilities.
- (g) a summary table of the applicant's financial information for the next five years starting from the grant of the Licence, if approved.

Year	1	2	3	4	5	Total
CAPEX						
OPEX						
EBITDA						
Operating Revenue						
Net Income/(Loss)						

¹² 10% takes into consideration the average cost of capital in international capital markets. Applicants may propose other values more appropriate for their specific circumstances.

3 Competition strategies for the provision of services

3.1 The applicant shall describe in detail:

- (a) all the services¹³ it intends to provide, including the market gap(s) that it intends to address with the provision of these services;
- (b) the proposed launch date for each service; and
- (c) the competition strategies it will use to compete in Singapore's telecommunication market and how its operations will contribute to Singapore achievement of its vision.

3.2 The applicant shall provide details:

- (a) of the track record of the consortium partners and/or other relevant parties; and
- (b) on how it will apply and leverage any relevant experience and expertise from consortium partners or other relevant parties which it commits to Singapore; highlighting how these will give it a strategic or competitive advantage.

3.3 The applicant shall provide details of its proposed performance milestone(s) and the corresponding CAPEX breakdown of each milestone. All proposed performance milestone(s) should be measurable, and the aggregate of the allocated performance bond amount for all the milestones should be equal to 5% of the applicant's total budgeted CAPEX.

No	Performance Milestone	Completion date	Performance Bond (S\$)
1	Description of the performance milestone	The expected completion date of the performance milestone	5% of the Capex assigned to this performance milestone.

4 Technical plan and capability

4.1 The applicant shall provide information on the following:

¹³ Applicant may refer to paragraph 2.3 of Section 2: Description of Facilities-Based Operations for list of services that may be provided with an FBO licence.

(a) Network Configuration

The overall infrastructure, and the components of the international and national networks to enable the provision of the telecommunication services. The description will include the network management capabilities, routing plan, transmission plan, signalling plan, diversity plans, network diagrams to reflect end-to-end connectivity¹⁴, and plans to deploy underground infrastructure.

(b) Network Facilities

The planned locations and technical details of its network such as international frontier stations and gateways, local/tandem/trunk exchanges, land lines, cable ducts, radio base station sites and other equipment to be installed and frequency spectrum to be used.

(c) Network Coverage, Capacity and Improvement

The planned geographical coverage of the network upon launch of services and the network capacity expansion plans for the first five years of operations; and commitments for improvements to infrastructure facilities for the next five years.

(d) Network Interconnection

Where applicable,

- (i) Technical proposals for interconnection with other FBO licensees' networks (including signalling, transmission and synchronization requirements), covering the interconnection configuration, point of interconnection interface requirements and diversity arrangements; and
- (ii) Plans to deploy any radio communication or wireless network for the provision of services.

(e) Network Code of Practice, Security and Protection

- (i) Network performance with an indication of the minimum standards; and

¹⁴ These should be provided in high resolution.

- (ii) Details of network security, IT/system security and physical network protection.

(f) Network Technologies

Technologies to be employed for the switching, transmission and local access systems to deliver basic, broadband and value-added services, with the rationale for the choice of technologies selected.

4.2 The applicant shall also:

- (a) Submit a broad network rollout plan and its strategy to implement the network rollout plan; and
- (b) Demonstrate its technical experience and capability in the relevant technical areas and/or access to such technical expertise and experience, including managerial expertise.

5 Any other relevant information

- 5.1 The applicant may submit any information not specified above which it considers relevant for the Authority's consideration of its application.

Annex 2**KEY LICENSING AND REGULATORY FRAMEWORKS GOVERNING
OPERATIONS/SERVICE PROVISION FOR FBO LICENSEES****1 LICENCE FEE**

- 1.1 The successful applicant for a FBO licence shall pay the applicable minimum annual licence fee stipulated within two (2) weeks of the grant of the licence. The Authority shall forfeit the fees payable under this condition if the Licensee withdraws the acceptance of the licence after the licence is awarded; or if the licence is terminated or cancelled at any time during the term of the licence.

2 NETWORKS AND SERVICES ROLLOUT PLAN

- 2.1 The licensee shall roll out its network and services operations as committed under its application. Where the licensee intends to deploy and operate its installation or plant within the buildings for the purpose of providing telecommunication services, the licensee shall refer to the Authority's COPIF on the relevant duties to be observed.

3 NUMBERING

- 3.1 The National Numbering Plan provides a set of rules and guidelines for the use and assignment of numbers to telephone services delivered over the Public Switched Telephone Network ("PSTN"), Radio Network¹⁵ and the Internet or other Internet Protocol ("IP") based network. The National Numbering Plan also describes the assignment of numbers to international services, trunk service, emergency services and special services such as voice mail and Intelligent Network (IN) services.
- 3.2 The PSTN, Radio Network and IP Telephony (IPT) share the same numbering plan, which is a uniform 8-digit numbering plan. Numbers are categorised in various services under the National Numbering Plan according to the first digit. The structure

¹⁵ Radio Network is used to collectively represent the paging network, cellular mobile network and trunked radio network.

of the national number¹⁶ generally complies with the relevant International Telecommunication Union Standard Sector (ITU-T) Recommendations.

- 3.3 As the regulator of telecommunication industry, the Authority controls and manages the National Numbering Plan. The Authority also ensures that the number allocation process is fair and transparent so as to provide a level playing field for competition. The National Numbering Plan will be reviewed from time to time to ensure its continued relevance. For more information on the Authority's guidelines on number allocation to licensees, please refer to the National Numbering Plan at the Authority's website.

4 NUMBER PORTABILITY

- 4.1 Number portability refers to the ability for subscribers to retain their current numbers, including 1800 (toll-free) and 1900 (premium) services numbers, when they change their service providers or geographical locations. Unless otherwise stated, licensees allocated with numbers are required to implement and support number portability.

5 RADIO FREQUENCIES

- 5.1 Licensees shall justify the use of radio frequencies and be subjected to payment of the required frequency fees. Licensees must take all necessary steps to ensure that the use of its systems is safe and does not cause interference to other existing radio-communication networks in the same band or in other bands.

6 QUALITY OF SERVICE STANDARDS

- 6.1 Licensees will have to comply with the Authority's applicable Quality of Service Standards for the services it wishes to provide.

¹⁶ National number is a subscriber number, which is 8 digits for PSTN and Radio Network. The number structure does not contain any trunk code or network code.

7 INTERCONNECTION AND ACCESS WITH OTHER LICENSEES

- 7.1 The Telecom and Media Competition Code sets out the interconnection and access regulatory framework that licensees must comply with. Licensees are required to interconnect with other licensees. This is to ensure that there is seamless any-to-any communications throughout Singapore, where end-users can communicate between each other and access any services of any service provider regardless of which system(s) the end-users are directly connected to.
- 7.2 The Authority strongly encourages licensees to enter into interconnection agreements through commercial negotiations. Licensees may agree to interconnect on any mutually agreeable terms, provided that they fulfill the minimum interconnection duties specified in the Telecom and Media Competition Code. The Authority will generally not involve itself in interconnection negotiations between non-dominant licensees. For interconnection with dominant licensees, a licensee may, at its option, do so pursuant to the terms of:
- (a) an Authority-approved Reference Interconnection Offer (RIO) extended by the dominant licensee;
 - (b) any existing interconnection agreement between the dominant licensee and any other similarly situated licensee; or
 - (c) an individualised interconnection agreement with the dominant licensee through voluntary negotiations.

If licensees fail to reach an individualised interconnection agreement under option (c) within ninety (90) days, either licensee may request the Authority to resolve the dispute under the Telecom and Media Competition Code.

8 PROVISION OF INTERNATIONAL SERVICES

- 8.1 Licensees providing international services are expected to build international infrastructure which include back-haul facilities, international gateway facilities, cable landing stations, satellite uplink/downlink facilities and submarine cable/satellite transponder capacity, depending on the selected means of provision. The licensee may also require access to international cable and/or satellite capacity in order to provide international telecommunication services.

- 8.2 As a start, the Authority will provide licensees with the necessary regulatory support and assistance in order that they may gain access to relevant infrastructure (such as submarine cable landing rights in Singapore) for the provision of international telecommunication services.

9 DEPLOYMENT OF TELECOMMUNICATION INFRASTRUCTURE

- 9.1 Licensees are required to comply with the following requirements:

- (a) procure its own access to building(s) and the use of facilities and space, including rooftop space, to deploy its network infrastructure. This will include, but are not limited to, negotiating commercially with the building owner(s) for access and the use of facilities and space, and to obtain all necessary approvals from the relevant authorities in Singapore, at its own cost;
- (b) notify IMDA of any deployment of underground infrastructure or any intention to do so prior to its commencement, and also to work with the relevant agencies such as Land Transport Authority for such deployment, if applicable; and
- (c) comply with the geospatial data information¹⁷, earthworks¹⁸ and manhole covers requirements¹⁹ or any Whole-of-Government's ("WOG") initiatives. Interested parties may email to interconnect@imda.gov.sg for more details on the WOG initiatives.

- 9.2 Applicants may wish to refer to FBO licences that are published on the Authority's website for details on the other licence conditions.

¹⁷ <https://www.imda.gov.sg/regulations-and-licensing-listing/submission-of-geospatial-data-information>

¹⁸ <https://www.imda.gov.sg/regulations-and-licensing-listing/earthworks-requirements>

¹⁹ <https://www.imda.gov.sg/regulations-and-licensing-listing/manhole-covers-requirements>

Annex 3**ELECTRONIC BANKER'S GUARANTEE**

1. The information contained in this section is intended to assist interested parties in applying for the eBG.
2. Licensees should fill up the cover page of the eBG, by using the following as a guide:

Field	Value
CASE REFERENCE NO.	Reference number (as stated in IMDA's grant letter to applicant on IMDA's approval of the licence application) without special characters (such as fullstop, comma).
BENEFICIARY NAME	Info-communications Media Development Authority
EFFECTIVE DATE [DD/MM/YYYY]	Licence issuance date (as stated in IMDA's letter on applicant on IMDA's approval of the licence application)
AUTO EXTENSION PERIOD	Auto extension for 180 days
PURPOSE OF GUARANTEE	To secure Performance Milestone [X] in Facilities-Based Operations Licence

Annex 4**INDEPENDENT AUDITOR’S REPORT ON LICENSEE’S ANNUAL GROSS TURNOVER**

[To the Board of Directors of _____ (Company) or Other Appropriate Addressee]

Opinion

We have audited the Schedule of the Annual Gross Turnover (“AGTO”)²⁰, in relation to all licensable activities under the [please insert type of licence²¹] granted to the [Licensee’s Name] (the “Licensee”) by the Info-communications Media Development Authority (“IMDA”), for the period from [date] to [date] (the “Schedule”).

In our opinion, the AGTO totalling [insert amount] in the Schedule is prepared, in all material respects, in accordance with the attached Basis of Preparation.

Basis for Opinion

We conducted our audit in accordance with Singapore Standards on Auditing (“SSAs”). Our responsibilities under those standards are further described in the *Auditor’s Responsibilities for the Audit of the Schedule* section of our report. We are independent of the Licensee in accordance with the Accounting and Corporate Regulatory Authority (“ACRA”) *Code of Professional Conduct and Ethics for Public Accountants and Accounting Entities* (“ACRA Code”) together with the ethical requirements that are relevant to our audit of the financial statements in Singapore, and we have fulfilled our other ethical responsibilities in accordance with these requirements and the ACRA Code. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

²⁰ The AGTO refers to the annual amount of consideration to which [name of Licensee] (the Licensee) expects to be entitled in exchange for the transfer of promised goods or services to customers in relation to all licensable activities under the [please insert type of licence] granted to the Licensee by the Info-communications Media Development Authority

²¹ Types of Licences include, Facilities-Based Operations, Services-Based Operations (Individual), Postal Services Operations, Nationwide Free-to-Air TV Services, Nationwide Free-to-Air Radio Services, Nationwide Subscription TV Services, Niche TV Services.

Emphasis of Matter – Basis of Accounting and Restriction on Distribution and Use

We draw attention to the attached Basis of Preparation to the Schedule, which describes the basis of accounting. The Schedule is prepared to assist the Licensee to meet the requirements of the IMDA in connection with the determination of the Licensee's annual licence fee by the IMDA. As a result, the Schedule may not be suitable for another purpose. Our report is intended solely for the Licensee and the IMDA and should not be distributed to or used by parties other than the Licensee or the IMDA. Our opinion is not modified in respect of this matter.

Responsibilities of Management and Those Charged with Governance²² for the Schedule

Management is responsible for the preparation of the Schedule in accordance with the Basis of Preparation, and for such internal control as management determines is necessary to enable the preparation of the Schedule that is free from material misstatement, whether due to fraud or error.

Those charged with governance are responsible for overseeing the Licensee's financial reporting process.

Auditor's Responsibilities for the Audit of the Schedule

Our objectives are to obtain reasonable assurance about whether the Schedule is free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with SSAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of this Schedule.

As part of an audit in accordance with SSAs, we exercise professional judgement and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the Schedule, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The

²² Or other terms that are appropriate in the context of the engagement.

risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Licensee’s internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates, if any, and related disclosures made by management.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards²³.

The engagement partner on the audit resulting in this independent auditor’s report is [name].²⁴

_____(Firm)

Public Accountants and
Chartered Accountants
Singapore

_____ (Date)

Enclosure:

The Schedule
Basis of Preparation

²³ This paragraph is to be included only if the Company is listed.

²⁴ The engagement partner’s name is only disclosed in cases whereby the company is listed.

COMPANY'S LETTERHEAD

BASIS OF PREPARATION OF THE ANNUAL GROSS TURNOVER

Annual Gross Turnover ("AGTO")

The AGTO refers to the annual amount of consideration²⁵ to which [name of Licensee] (the Licensee) expects to be entitled in exchange for the transfer of promised goods or services to customers in relation to all licensable activities under the [please insert type of licence] granted to the Licensee by the Info-communications Media Development Authority.

²⁵ The amount of consideration is recognised in accordance with the Licensee's accounting policy for revenue. The accounting policy is based on the requirements of [SFRS(I) 15/ FRS 15] Revenue from Contracts with Customers.