

**AUCTION OF RADIO SPECTRUM  
IN THE 850/900 MHz AND 2.3 GHz BANDS  
FOR THE PROVISION OF  
PUBLIC MOBILE SERVICES**

**INFORMATION MEMORANDUM**

19 JULY 2024

THE OFFICE OF THE COMMUNICATIONS AUTHORITY

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### A. Executive summary

#### A.1 Introduction

A.1.1 This Memorandum provides details about the policy background, the Licence and the Auction for determination of the Spectrum Utilization Fees applicable to the Frequency Blocks in the 850/900 MHz Bands and 2.3 GHz Band specified in the Notice dated 19 July 2024 issued by the Authority in exercise of the powers conferred by section 32I of the TO, the Regulation and all other powers enabling it to specify the terms and conditions of the auction and the payment of the spectrum utilization fees. The Frequency Blocks will be assigned for the provision of public mobile services. Readers should note that

- (a) A total of 110 MHz of spectrum including 20 MHz in the 850/900 MHz Bands and 90 MHz in the 2.3 GHz Band will be available for auction;
- (b) The available spectrum will be divided into 11 Frequency Blocks, viz.
  - Blocks A1 to A2 in the 850/900 MHz Bands, each with a bandwidth of 2 x 5 MHz, and
  - Blocks B1 to B9 in the 2.3 GHz Band, each with a bandwidth of 10 MHz;
- (c) The Auction will be conducted in a Simultaneous Multiple Round Ascending (“SMRA”) format whereby all Frequency Blocks will be auctioned simultaneously over multiple rounds with price adjustment on each Frequency Block independently. Bidders are allowed to submit a Bid for any Frequency Block in any of the three frequency bands in any Round, subject to the Spectrum Cap set for each frequency band and the number of Eligibility Points attributed to the bidders in each Round;
- (d) The use of the Frequency Blocks will be subject to Spectrum Utilization Fees, the amount of which is to be determined by the Auction, and the payment of which may either be by lump sum payment upfront or by annual instalments;
- (e) The Minimum Fee(s), i.e. the minimum amount of the Spectrum Utilization Fee as specified by the Secretary in the Gazette notice of 19 July 2024 for the respective Frequency Blocks in the 850/900 MHz Bands and 2.3 GHz Band are:

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- HK\$40 million each for Frequency Blocks A1 to A2, and
  - HK\$40 million each for Frequency Blocks B1 to B9;
- (f) In making an Application to participate in the Auction, each Bidder must submit a Deposit, a duly completed Application Form and a Bidder Compliance Certificate;
- (g) Spectrum assignment to each Bidder or group of Connected Bidders is subject to the Spectrum Cap which are:
- 10 MHz for the 850/900 MHz Bands, and
  - 50 MHz for the 2.3 GHz Band;
- (h) If there is more than one Qualified Bidder, the Bidding Stage will take place. The Provisional Successful Bidder of a Frequency Block will be the Bidder which holds the Standing Highest Bid in respect of that Frequency Block at the end of the Bidding Stage and the amount of Spectrum Utilization Fee payable for that Frequency Block will be the amount of that Standing Highest Bid;
- (i) If there is only one Qualified Bidder, the Bidding Stage will not take place. The Qualified Bidder will become the Provisional Successful Bidder of the Frequency Block(s) it selects (subject to the Spectrum Cap). The Spectrum Utilization Fee payable will be the Minimum Fee for the Frequency Block(s);
- (j) Within 35 Business Days after publication of the Provisional Successful Bidder Notice, the Provisional Successful Bidder of each of the Frequency Blocks A1 to A2 and B1 to B9 is required to submit a Letter of Credit guaranteeing its payment of the Spectrum Utilization Fee;
- (k) A Successful Bidder may choose to pay the Spectrum Utilization Fee by lump sum payment upfront or annual instalments. If a Successful Bidder chooses to pay the Spectrum Utilization Fee by annual instalments, the Successful Bidder will be required to pay the first instalment and provide a rolling Performance Bond to guarantee payment of the Spectrum Utilization Fee payable in the ensuing five years:
- (i) for Frequency Blocks A1 to A2, on or before 31 March 2026; and
  - (ii) for Frequency Blocks B1 to B9, on or before 29 January 2027;
- (l) The Successful Bidder will be required to provide a Performance Bond



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to ensure compliance with the network and service rollout requirement:

- (i) for Frequency Blocks A1 to A2, on or before 31 March 2026; and
  - (ii) for Frequency Blocks B1 to B9, on or before 29 January 2027;
- (m) The assignment of the Frequency Blocks and the Licence will be valid for a period of 15 years. There is no legitimate expectation of any right of renewal or right of first refusal upon expiry of assignment of any of the Frequency Blocks;
- (n) The Frequency Blocks A1 to A2 and B1 to B9 will be used for the provision of territory-wide public mobile services;
- (o) The Licensee will be required to comply with the network and service rollout requirement, as specified in the Licence, for the services it is allowed to provide under the Licence;
- (p) The Licensee will be required to implement and facilitate at its own expense Fixed Number Portability (also known as Operator Number Portability) and Mobile Number Portability as directed by the Authority. It may also choose to implement Fixed Mobile Number Portability on a voluntary basis at its own cost;
- (q) The Licensee will not be subject to the use of any particular technical standards for the provision of public mobile services provided that the technical standards that it adopts conform to widely recognised standards;
- (r) The Licensee will be required to comply with the Telecommunications (Registration of SIM Cards) Regulation (Cap. 106AI) (“SIM Cards Registration Regulation”) and the “*Guidelines on Implementation of Real-name Registration for SIM Cards*” (“SIM Cards Registration Guidelines”) in supplying telecommunications services through subscriber identification module (“SIM”) cards in Hong Kong; and
- (s) The Licensee will be required to implement technical measures to prevent the transmission or delivery of calls or messages or suspend telecommunications services due to fraudulent use.

A.1.2 This Memorandum provides details of the above and other issues. Certain salient features of the Auction are highlighted in Section D. Interested parties should refer to the Notice, which is attached at Annex B of this Memorandum

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for full details of the rules of the Auction. Terms and expressions used in this Memorandum have the meanings as in the Notice (see Annex B) and the Glossary of Terms of this Memorandum (see Annex F). In case of any discrepancy, the Notice prevails.

**B. Policy background**

**B.1 Re-assignment of the spectrum in the 850/900 MHz and 2.3 GHz Bands for the provision of public mobile services**

B.1.1 The Authority and the Secretary jointly issued a consultation paper on 17 November 2022 to consult the public about making available the relevant spectrum in the 850/900 MHz Bands and the 2.3 GHz Band, for the provision of public mobile services<sup>1</sup>.

B.1.2 Having carefully considered the views and comments received, the Authority and the Secretary jointly issued a statement promulgating their decisions on the re-assignment arrangements of the available spectrum in the 850/900 MHz Bands and the 2.3 GHz Band on 2 May 2023 (the “Statement”)<sup>2</sup> that, among others, the available spectrum would be re-assigned by way of auction. Further, all the available spectrum would be put to auction based on the SMRA format. The spectrum in the 850/900 MHz Bands and 2.3 GHz Band will be designated for territory-wide deployment of public mobile services.

B.1.3 Under the Auction, a total of 110 MHz of spectrum will be made available and is divided into 11 Frequency Blocks as shown in Figure 1 below.

**Figure 1: Frequency Block and bandwidth**

Frequency Block	Frequency range (MHz)	Bandwidth
A1	832.5 – 837.5 paired with 877.5 – 882.5	2 x 5 MHz
A2	885.0 – 890.0 paired with 930.0 – 935.0	2 x 5 MHz
B1	2300 – 2310	10 MHz
B2	2310 – 2320	10 MHz
B3	2320 – 2330	10 MHz
B4	2330 – 2340	10 MHz
B5	2340 – 2350	10 MHz
B6	2350 – 2360	10 MHz
B7	2360 – 2370	10 MHz

<sup>1</sup> The consultation paper is available at [https://www.coms-auth.hk/filemanager/en/content\\_711/cp20221117.pdf](https://www.coms-auth.hk/filemanager/en/content_711/cp20221117.pdf).

<sup>2</sup> The Statement is available at [https://www.coms-auth.hk/filemanager/statement/en/upload/621/joint\\_statement\\_20230502.pdf](https://www.coms-auth.hk/filemanager/statement/en/upload/621/joint_statement_20230502.pdf).

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Frequency Block	Frequency range (MHz)	Bandwidth
B8	2370 – 2380	10 MHz
B9	2380 – 2390	10 MHz

B.1.4 The Frequency Blocks will be assigned to Successful Bidders participating in the Auction, subject to a qualification process for participation in the Auction and payment of the Spectrum Utilization Fees and fulfilment of other relevant requirements in the Auction by the Provisional Successful Bidders or Successful Bidders, as the case may be.

### **B.2 Use of available spectrum**

B.2.1 The Frequency Blocks A1 to A2 and B1 to B9 will be used for the provision of territory-wide public mobile services. Without limitation to the generality of the provisions of the TO and instruments issued by the Authority including but not limited to statements and decisions of the Authority as published on the Authority's Website, the following describes the major elements of the current regulatory framework for the provision of public telecommunications services in Hong Kong.

B.2.2 For the purpose of avoiding radio interference between mobile services operating at 850/900 MHz Bands and in line with the 3GPP technical specifications for the bands, the upper portion of each of Frequency Blocks A1 to A2 shall be used for transmitting frequencies of base station(s), while the lower portion of Frequency Blocks A1 to A2 shall be used for transmitting frequencies of mobile station(s). Any intended deviation from such a default arrangement for use of the frequencies shall be subject to coordination with other spectrum assignees in the relevant bands and prior written consent of the Authority.

B.2.3 For the purpose of avoiding radio interference to the GSM-R system<sup>3</sup> operating in the frequency range of 885 – 889 MHz paired with 930 – 934 MHz<sup>4</sup> within the Hong Kong Section of the Guangzhou-Shenzhen-Hong Kong Express Rail Link (“XRL”)<sup>5</sup> and public mobile services in the

<sup>3</sup> GSM-R is a wireless communication standard for railway network based on the European GSM standard.

<sup>4</sup> Currently, 2 x 4 MHz of spectrum in the frequency range of 885 – 889 MHz paired with 930 – 934 MHz is assigned and used for the operation of the GSM-R system within the Hong Kong Section of the XRL. The same frequency range that is reserved to be used in any other future cross-border railways.

<sup>5</sup> Information of the XRL is given in G.N. 8022 of 2008.

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Designated Areas<sup>6</sup> using some frequency channels in the 900 MHz Band, the use of Frequency Block A2 is restricted for the provision of mobile services in areas away from the cross-border rail link(s) including the XRL and outside the Designated Areas.

- B.2.4 The Successful Bidder of Frequency Block A2 is required to coordinate closely and resolve any co-channel and adjacent channel interference issues with the railway operator and mobile network operators (“MNOs”) using frequency channels in the 900 MHz Band in the Designated Areas. In case of unresolved interference, use of Frequency Block A2 will generally be given in the following descending order of priority: GSM-R system(s) for railway operation including XRL, radio base stations for public mobile services within the Designated Areas and last of all, radio base stations for public mobile services in areas away from the cross-border rail link(s) and outside the Designated Areas.

### **B.3 Payment of Spectrum Utilization Fees**

- B.3.1 In the Statement, the Authority stated that the use of the Frequency Blocks should be subject to payment of the Spectrum Utilization Fees. Pursuant to section 32I(1) of the TO, the Authority has by Order<sup>7</sup> designated the use of the Frequency Blocks to be subject to the payment of the Spectrum Utilization Fees. The Minimum Fees are set by the Secretary at HK\$40 million each for Frequency Blocks A1 to A2 and Frequency Blocks B1 to B9.
- B.3.2 Pursuant to section 32I(2) of the TO, the Secretary has prescribed by Regulation<sup>8</sup> the method for determining the Spectrum Utilization Fees payable for the use of the Frequency Blocks, together with the methods for paying the Spectrum Utilization Fees. The Spectrum Utilization Fee must be paid: (a) in a lump sum payment upfront; or (b) annually in 15 instalments, with the first instalment equivalent to the lump sum amount divided by 15 and, for each subsequent instalment, an amount equal to the Spectrum

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<sup>6</sup> The Designated Areas have been specified by the Authority in G.N. 3738 of 2024 for the purpose of section 8A(1) of the Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) Regulation (Cap. 106AG) and may be amended by the Authority as and when necessary.

<sup>7</sup> The Telecommunications (Designation of Frequency Bands subject to Payment of Spectrum Utilization Fee) Order (Cap. 106Y) is available at <https://www.elegislation.gov.hk/hk/cap106Y>.

<sup>8</sup> The Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) Regulation (Cap. 106AG) is available at <https://www.elegislation.gov.hk/hk/cap106AG>.

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Utilization Fee payable in the immediately preceding instalment increased by 2.5%. In the case of payment by annual instalments, the Successful Bidder or Licensee, as the case may be, is required to maintain at all times throughout its whole assignment term a rolling Performance Bond to guarantee payment of the Spectrum Utilization Fee payable in the ensuing five years, or the Spectrum Utilization Fee payable for the remaining duration of the assignment term if it is less than five years, in the form of Schedule B attached to the Licence.

- B.3.3 Under the Regulation, the Authority is empowered to hold the Auction to determine the level of the Spectrum Utilization Fees payable for the use of the Frequency Blocks.
- B.3.4 While the Telecommunications (Determining Spectrum Utilization Fees by Auction) Regulation (Cap. 106AC) has specified the methods for determining the spectrum utilization fee for use of spectrum in the 850/900 MHz and 2.3 GHz bands for the existing assignment periods, the Secretary has made amendments to Cap. 106AC to make it clear that the regulation applies only to the existing assignment periods (L.N. 52 of 2024)<sup>9</sup>. The determination of the spectrum utilization fees of the spectrum in the above frequency bands in the new assignment term will be governed by the Regulation as amended by the Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) (Amendment) Regulation 2024.
- B.3.5 Following the commencement of the Inland Revenue (Amendment) (Tax Deductions for Spectrum Utilization Fees) Ordinance 2024 (“IR(A)O”) on 19 January 2024, the spectrum utilization fee to be determined in future auctions is to be fully deductible from profits tax and the tax deduction will spread over the spectrum assignment term. The IR(A)O has no retrospective effect and is only applicable to the spectrum utilization fee incurred from the spectrum acquired on or after 19 January 2024. The Successful Bidder or the Licensee, as the case may be, shall refer to the Inland Revenue Ordinance (Cap.112)<sup>10</sup> as amended by the IR(A)O for details of the application and interpretation of the relevant provisions for relevant tax deduction.

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<sup>9</sup> The amendment regulation L.N. 52 of 2024 is available at <https://www.elegislation.gov.hk/hk/2024/ln52!en>.

<sup>10</sup> The Inland Revenue Ordinance (Cap.112) is available at <https://www.elegislation.gov.hk/hk/cap112>.

### **B.4 Licensing arrangement**

- B.4.1 The Frequency Blocks assigned in the Auction will be licensed under a UCL. The general conditions, validity period and the licence fees payable under the UCL are set out in the Telecommunications (Carrier Licences) Regulation (Cap. 106V)<sup>11</sup>. In issuing a UCL for different types of services, the Authority may attach additional special conditions which are not inconsistent with the TO and the general conditions.
- B.4.2 If a Successful Bidder of the Auction already holds a UCL issued by the Authority, the Authority may at its sole discretion and in response to the request of the Successful Bidder incorporate the provisions contained in the existing UCL of that Successful Bidder in appropriate form into the UCL to be granted. Such request will be considered by the Authority on a case-by-case basis.

### **B.5 Interconnection regime**

- B.5.1 Interconnections between telecommunications networks and services are governed by sections 36A and 36B of the TO and the licence conditions of the carrier licences.
- B.5.2 A carrier is required under its licence to ensure “any-to-any connectivity” by interconnecting its network and service with networks and services of other carriers, subject to the requirements of the TO and the relevant licence conditions. Irrespective of the types of networks and services which they provide and operate and irrespective of the underlying technologies used, carriers are obliged to interconnect with one another so that any customer in any one network can enjoy seamless and transparent access to any other customer in any interconnecting network and, where directed by the Authority, to any telecommunications service offered in any interconnecting network. For further details, please see Section II of the “*Guidelines for Submission of Applications for Unified Carrier Licence*”<sup>12</sup>.

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<sup>11</sup> The Telecommunications (Carrier Licences) Regulation (Cap. 106V) is available at <https://www.elegislation.gov.hk/hk/cap106V>.

<sup>12</sup> The guidelines are available at <https://www.coms-auth.hk/filemanager/en/share/guidelines/UCLguidelines.pdf>.

### **B.6 Use of numbers and number portability**

B.6.1 Pursuant to section 32F of the TO, the Authority has issued a “*Numbering Plan for Telecommunications Services in Hong Kong*” (“Hong Kong Numbering Plan”)<sup>13</sup>. A unified carrier licensee is entitled to apply for allocation of telecommunications numbers and codes in the Hong Kong Numbering Plan for provision of telecommunications service in accordance with the relevant guidelines and codes of practices issued by the Authority<sup>14</sup>.

B.6.2 Number portability for fixed and mobile services (i.e. ONP and MNP) is implemented in Hong Kong using the distributed database approach, which requires the originating network to perform number translation. Each originating network has the responsibility of routing the calls correctly to the final recipient’s network, and all fixed and mobile carriers, mobile virtual network operators (“MVNOs”) and services-based operators (“SBOs”) providing class 1 services should facilitate ONP and MNP at their own expense. To fulfil the licence obligations concerning the provision of ONP and MNP, the Licensee may choose to set up its own number porting systems or negotiate with other licensees to make arrangements at commercially agreed terms. If the Licensee opts to set up its own number portability databases, it is required, where and as directed by the Authority, to provide administration database hosting service<sup>15</sup> to other licensees at commercially agreed terms to facilitate the portability of numbers as required under their licences.

B.6.3 Operators may implement Fixed Mobile Number Portability on a voluntary basis at their own cost. To facilitate an orderly implementation, interested licensees should submit proposals to the Authority for its prior approval before actual implementation.

### **B.7 Sharing of use of facilities**

B.7.1 The sharing of “bottleneck” facilities is governed by section 36AA of the TO. The Authority encourages commercial agreements for the sharing of the

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<sup>13</sup> The Hong Kong Numbering Plan is available at [https://www.ofca.gov.hk/filemanager/ofca/en/content\\_311/no\\_plan.pdf](https://www.ofca.gov.hk/filemanager/ofca/en/content_311/no_plan.pdf).

<sup>14</sup> The code of practice relating to the use of numbers and codes in the Hong Kong Numbering Plan is available at [https://www.coms-auth.hk/filemanager/statement/en/upload/385/cop-numbering\\_e.pdf](https://www.coms-auth.hk/filemanager/statement/en/upload/385/cop-numbering_e.pdf).

<sup>15</sup> Administration database hosting service means a service offered by the licensee which makes available its administration database for access by another licensee, so that the latter will be able to fulfil the licence obligation under its own licence to facilitate the portability of numbers without the need of setting up its own administration database.



“bottleneck” facilities. If commercial agreements could not be reached within a reasonable period and subject to passing the “public interest” test specified in the section, the Authority may direct sharing of the “bottleneck” facilities and determine the terms for such sharing.

### **B.8 Access to hilltop radio sites**

B.8.1 Some remote areas are under-served by fixed broadband services and wireline solution thereto is either uneconomical or technically non-feasible at this juncture. Wireless broadband solutions would be able to provide a viable and cost-effective alternative for enabling broadband access to these areas. To facilitate the deployment of such wireless broadband solutions for providing public telecommunications services to remote areas, sharing of existing hilltop radio sites for provision of such services to these areas may be allowed, subject to the availability of facilities at the sites. OFCA has issued guidelines on the use of hilltop radio site resources<sup>16</sup> to ensure that such sites and facilities thereon are used efficiently and effectively to meet the needs for telecommunications, utilities and other public services. Applications for shared use of hilltop radio sites by a unified carrier licensee providing public telecommunications services will be considered on a case-by-case basis.

### **B.9 Construction and Installation of radio base stations**

B.9.1 Save and except the right of access to any designated space in specified buildings under any enactment of legislation or relevant guidelines including those mentioned in paragraph B.9.7, sites for the installation of radio base stations are usually acquired by licensees on a commercial basis through negotiations with landowners. The Authority will not intervene in this process except in circumstances set out in sections 14(1B) and 36AA of the TO. It should be noted that section 14(1B) is seldom applicable to sites on roof-tops because alternative sites to serve a particular area using radio transmission are usually available.

B.9.2 In addition to compliance with the requirements of the Authority in respect of frequency emission and non-ionizing radiation safety, the Licensee must ensure that its installations of radio base stations comply with the

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<sup>16</sup> The guidelines are available at [https://www.ofca.gov.hk/filemanager/ofca/en/content\\_1505/gn082018e.pdf](https://www.ofca.gov.hk/filemanager/ofca/en/content_1505/gn082018e.pdf).

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requirements of the relevant Government departments including Buildings Department, Lands Department and the relevant statutory town plans of Planning Department/Town Planning Board. The Licensee should refer to the “*Guidance Note for Submission of Applications by Public Telecommunications Operators for the Installation of Radio Base Stations for Public Telecommunications Services in Buildings and on Rooftops*” published on the Authority’s Website in December 2010<sup>17</sup> for details of the requirements and procedures for obtaining approval from the departments/authorities concerned. The decision as to whether or not to grant such approval and the actual time taken to grant such approval is given by the individual departments/authorities concerned at their discretion. In order to ensure the radiation safety requirements are met, the Licensee shall timely conduct measurements as requested by OFCA on the radiation level of radio base stations which have been put into operation following the prior approval of the Authority.

B.9.3 To facilitate the rollout of 5G network by MNOs, the Chief Executive announced in the 2018 Policy Address<sup>18</sup> that the Government would proactively open up suitable Government premises for the installation of radio base stations. The initiative is implemented under a pilot scheme which has been launched since March 2019 with more than 1 000 Government venues made available for application by MNOs. In January 2022, the scheme was expanded to some 500 additional Government venues under a “demand-led” model. OFCA has issued the “*Guidance Notes for Submission of Applications under the Pilot Scheme for Installation of Radio Base Stations at Selected Government Venues*”<sup>19</sup> to provide MNOs with details of the application requirements and procedures. Licensees may apply to the relevant Government departments including OFCA for the use of these Government venues for installation of their radio base stations.

B.9.4 The Government has also opened up suitable street furniture such as sheltered bus stops and public payphone kiosks for use by licensees for installation of radio base stations. In this regard, the Authority issued the guidelines

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<sup>17</sup> The guidance note is available at [https://www.coms-auth.hk/filemanager/statement/en/upload/138/gn\\_201024.pdf](https://www.coms-auth.hk/filemanager/statement/en/upload/138/gn_201024.pdf).

<sup>18</sup> Please see paragraph 137 of the 2018 Policy Address, which is available at <https://www.policyaddress.gov.hk/2018/eng/pdf/PA2018.pdf>.

<sup>19</sup> The guidance notes are available at [https://www.coms-auth.hk/en/policies\\_regulations/cop\\_guidelines/telecomm/index\\_id\\_580.html](https://www.coms-auth.hk/en/policies_regulations/cop_guidelines/telecomm/index_id_580.html).

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*“Guidelines on the Use of Public Payphone Kiosks for the Installation of Radio Base Stations for Provision of Public Mobile Services”*<sup>20</sup> on 28 June 2021 and *“Guidelines on the Use of Sheltered Bus Stops for the Installation of Radio Base Stations for Provision of Public Mobile Services”*<sup>21</sup> on 12 November 2020. The Licensee should refer to these guidelines for details.

- B.9.5 To facilitate the installation of telecommunications facilities of radio base stations, such as antennas and transceivers of 5G small cell sites, on external walls of buildings, OFCA has worked with the Buildings Department to streamline the approval processes by including the metal supporting frames for antennas and transceivers for public telecommunications services projecting from the external walls of buildings as a minor works item<sup>22</sup>, which can be commenced or carried out without the prior approval and consent from the Building Authority as required under section 14(1) of the Buildings Ordinance (Cap.123)<sup>23</sup>. The Licensee should refer to the Building (Minor Works) Regulation (Cap.123N)<sup>24</sup> for details.
- B.9.6 On facilitating the applications for installation of radio base stations, an online platform has been set up to facilitate MNOs to submit their applications. In particular for low-power indoor radio base stations, immediate approval on the use of the radio base station will be given, which would expedite the installation of indoor radio base stations (e.g. those in shopping centres, conference venues, commercial buildings, etc.), extension of network coverage and enhancement of capacity by MNOs.
- B.9.7 To facilitate access by the MNOs to specified buildings for installation of mobile communications facilities to provide a comprehensive 5G network coverage across the territory, the Chief Executive announced in the 2022 Policy Address the Government’s plan to amend the TO and related guidelines to ensure that appropriate space is made available in new buildings for installation of mobile communications facilities by MNOs. In this regard, a new section 14(1AA) is added to the TO to empower the Authority to grant

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<sup>20</sup> The guidelines are available at <https://www.coms-auth.hk/filemanager/statement/en/upload/567/gn122021.pdf>.

<sup>21</sup> The guidelines are available at <https://www.coms-auth.hk/filemanager/statement/en/upload/542/gn112020.pdf>.

<sup>22</sup> Information of minor works items - supporting frames for antenna or transceiver projecting from wall are available at: [https://www.bd.gov.hk/en/building-works/minor-works/minor-works-items/index\\_mwcs\\_items\\_c2a.html](https://www.bd.gov.hk/en/building-works/minor-works/minor-works-items/index_mwcs_items_c2a.html).

<sup>23</sup> The Buildings Ordinance (Cap.123) is available at <https://www.elegislation.gov.hk/hk/cap123>.

<sup>24</sup> The Building (Minor Works) Regulation (Cap.123N) is available at <https://www.elegislation.gov.hk/hk/cap123N>.

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authorisation to the Licensee with the right of access to new “specified buildings” for placing and maintaining radiocommunications installations without being subject to the process under section 14(1B) of the TO. For the purpose of section 14(1AA) of the TO, the Authority will issue a “*Code of Practice for the Provision of Mobile Access Facilities in Specified Buildings for the Provision of Public Mobile Radiocommunications Services*” requiring the authorized MNOs to use the designated space efficiently, adopt mobile network sharing as far as practicable and technically feasible and minimise the negative visual impact from such installations. Subject to commencement of the relevant legislation, the authorized Licensee is required to comply with relevant licence conditions, guidelines or code of practice, as appropriate, for the purpose of exercising the right under the authorization.

- B.9.8 The Chief Executive announced in the 2023 Policy Address an initiative aimed at expediting the expansion of 5G network infrastructure in rural and remote areas through the provision of subsidies. Details of the scheme are being worked out. The target is to launch the scheme in 2025.

### **B.10 Deployment of femtocell**

- B.10.1 The Licensee is allowed to deploy femtocell for the provision of mobile services without having to seek the prior approval of the Authority for installation of individual femtocell and provision of detailed information of femtocells under its UCL. Licensees for provision of mobile services may apply to the Authority for the necessary amendments to their UCLs. A femtocell is not considered as a base station for the purpose of licence fee calculation<sup>25</sup>.

### **B.11 Prohibition of Anti-Competitive Practices**

- B.11.1 The CO provides for general prohibitions of three types of anti-competitive conduct (described as the first conduct rule, the second conduct rule and the merger rule, collectively referred to as the ‘competition rules’ in the CO). The first conduct rule prohibits anti-competitive agreements, decisions and concerted practices. The second conduct rule prohibits an undertaking that

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<sup>25</sup> The details of the regulatory framework of femtocell deployment are available at [https://www.coms-auth.hk/filemanager/common/circular\\_20111202\\_annex.pdf](https://www.coms-auth.hk/filemanager/common/circular_20111202_annex.pdf) and [https://www.coms-auth.hk/filemanager/common/circular\\_20111202\\_a1.pdf](https://www.coms-auth.hk/filemanager/common/circular_20111202_a1.pdf).

has a substantial degree of market power from abusing that power. The merger rule prohibits anti-competitive mergers. The first and second conduct rules apply to all sectors in Hong Kong. At present, the merger rule applies only to a merger involving one or more undertakings that hold a carrier licence under the TO or, directly or indirectly, control an undertaking that holds such a licence. The Licensee should refer to the six sets of relevant guidelines jointly issued by the Authority and Competition Commission describing how they expect to interpret and give effect to the three competition rules, and explaining the procedures for handling complaints, conducting investigations and considering applications for exclusions and exemptions<sup>26</sup>.

B.11.2 Apart from the CO, section 7Q of the TO prohibits exploitative conduct of a dominant licensee<sup>27</sup>.

### **B.12 Prohibition on unfair trade practices**

B.12.1 The TDO prohibits traders of goods and services in all sectors, including the telecommunications sector, from engaging in unfair trade practices. The Customs and Excise Department (“C&ED”) is the principal agency responsible for enforcing the TDO. Concurrent jurisdiction is conferred on the Authority, with the OFCA as its executive arm, to enforce the fair trading sections of the TDO in relation to the commercial practices of licensees under the TO and the Broadcasting Ordinance (Cap. 562) that are directly connected with the provision of a telecommunications service or broadcasting service under the two ordinances. C&ED and the Authority have jointly issued enforcement guidelines<sup>28</sup> which state the manner in which the C&ED and the Authority would exercise their enforcement powers and provide guidance on the operation of the relevant provisions of the TDO.

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<sup>26</sup> The full sets of the guidelines are available at [https://www.coms-auth.hk/en/policies\\_regulations/other/competition/co/legislation\\_and\\_guidelines\\_issued\\_under\\_the\\_co/index.html](https://www.coms-auth.hk/en/policies_regulations/other/competition/co/legislation_and_guidelines_issued_under_the_co/index.html).

<sup>27</sup> Further information regarding section 7Q of the TO is available at [https://www.coms-auth.hk/en/policies\\_regulations/other/competition/telecommunications/index.html](https://www.coms-auth.hk/en/policies_regulations/other/competition/telecommunications/index.html).

<sup>28</sup> The guidelines are available at [https://www.coms-auth.hk/filemanager/en/content\\_800/Enforcement\\_Guidelines\\_en.pdf](https://www.coms-auth.hk/filemanager/en/content_800/Enforcement_Guidelines_en.pdf).

**B.13 Consumer protection measures**

**Codes of Practice and Guidelines issued by the Authority**

B.13.1 The Authority has issued a number of codes of practice and guidelines as follows in order to provide guidance to licensees and safeguard consumer interests in the use of telecommunications services, and may provide additional or updated guidance as appropriate and necessary, and they shall be observed by the Licensee –

- (a) Code of Practice in Relation to Billing Information and Payment Collection for Telecommunications Services<sup>29</sup> to enhance the transparency of pricing of chargeable items of telecommunications services;
- (b) Code of Practice on the Cessation Arrangements for Mobile Virtual Network Operator Services<sup>30</sup> to enhance the transparency of information and to minimise inconvenience caused to customers of the MVNOs in the event of cessation of MVNO services;
- (c) Code of Practice on the Handling of Customers' Deposits and Prepayments of Charges<sup>31</sup> to protect consumer interest and to enhance consumer confidence in deposit and prepayment schemes offered by telecommunications operators;
- (d) Code of Practice on the Provision of Telecommunications Services for the Elderly and People with a Disability<sup>32</sup> to facilitate convenient use of telecommunications services by the elderly and people with a disability;
- (e) Code of Practice on Protection of Customer Information for Fixed and Mobile Service Operators<sup>33</sup> to provide reasonably sufficient protection of customer information;
- (f) Code of Practice on Sending of Short Messages and Multimedia Messages by Telecommunications Service Providers<sup>34</sup> to provide

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<sup>29</sup> The code is available at <https://www.coms-auth.hk/filemanager/statement/en/upload/33/cop20111011e.pdf>.

<sup>30</sup> The code is available at [https://www.coms-auth.hk/filemanager/statement/en/upload/421/cop-mvno\\_e.pdf](https://www.coms-auth.hk/filemanager/statement/en/upload/421/cop-mvno_e.pdf).

<sup>31</sup> The code is available at <https://www.coms-auth.hk/filemanager/common/cop20010426.pdf>.

<sup>32</sup> The code is available at <https://www.coms-auth.hk/filemanager/statement/en/upload/186/cop201302e.pdf>.

<sup>33</sup> The code was jointly issued by the Consumer Council, Independent Commission Against Corruption, Office of the Privacy Commissioner for Personal Data and OFCA in June 2002 and is available at <https://www.coms-auth.hk/filemanager/common/cap14062002.pdf>.

<sup>34</sup> The code is available at [https://www.ofca.gov.hk/filemanager/ofca/en/content\\_1685/rs\\_cop.pdf](https://www.ofca.gov.hk/filemanager/ofca/en/content_1685/rs_cop.pdf).

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practical guidance for sending short message services (“SMS”) to subscribers of public mobile services in Hong Kong;

- (g) Code of Practice on Transmission and Delivery of Short Messages and Multimedia Messages from Registered Senders to provide practical guidance on the measures to combat suspected fraudulent SMS;
- (h) Code of Practice on Verification of the Addresses of Potential Customers for Mobile Telecommunications Services<sup>35</sup> to verify the addresses of potential customers;
- (i) Guidelines for the Implementation of Fair Usage Policy for the Provision of Mobile and Fixed Broadband Services<sup>36</sup> to govern the implementation of fair usage policy by telecommunications service providers;
- (j) Code of Practice on Management of Scam Calls and Scam SMS by Telecommunications Service Providers<sup>37</sup> to manage suspected scam calls made and scam SMS sent from local telecommunications networks and systems as well as ensuring the efficient and reliable operation of telecommunications networks and systems; and
- (k) Guidelines on Registration of Sender IDs and Sending of Short Messages and Multimedia Messages<sup>38</sup> to provide practical guidance on registration of registered senders and sender IDs with prefix “#”.

B.13.2 OFCA has been adopting a multi-pronged approach in collaboration with law enforcement agencies to combat fraudulent calls. The Authority has mandated all fixed and mobile service providers to monitor the calls originating from their networks and systems, and suspend the service of the relevant telephone numbers if suspicious scam call patterns are identified. The Licensee shall comply with the relevant requirements as and when required by the Authority from time to time.

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<sup>35</sup> The code is available at <https://www.coms-auth.hk/filemanager/statement/en/upload/608/cop202202.pdf>.

<sup>36</sup> The guidelines are available at [https://www.coms-auth.hk/filemanager/statement/en/upload/38/gn\\_201124e.pdf](https://www.coms-auth.hk/filemanager/statement/en/upload/38/gn_201124e.pdf).

<sup>37</sup> The code is available at <https://www.coms-auth.hk/filemanager/statement/en/upload/650/cop202401.pdf>.

<sup>38</sup> The guidelines are available at [https://www.ofca.gov.hk/filemanager/ofca/en/content\\_1685/rs\\_guidelines.pdf](https://www.ofca.gov.hk/filemanager/ofca/en/content_1685/rs_guidelines.pdf).

### Codes of Practice, Scheme and Measures implemented by the Industry

B.13.3 OFCA has also worked with the Communications Association of Hong Kong<sup>39</sup> and the industry, to implement various measures to address different consumer issues that may arise from time to time. The Licensee is expected to comply with the following codes, join the relevant scheme and implement the following measures –

- (a) Code of Practice on Person-to-Person Marketing Calls<sup>40</sup> to minimise the inconvenience that may be caused by person-to-person marketing calls to the public;
- (b) Code of Practice for Telecommunications Service Contracts<sup>41</sup> to improve the clarity of provisions in the telecommunications service contracts;
- (c) Code for the Provision of Chargeable Mobile Content Services<sup>42</sup> to govern the practices of third-party content service providers;
- (d) Customer Complaint Settlement Scheme<sup>43</sup> to help resolve billing disputes in deadlock between telecommunications service providers and their customers;
- (e) Various measures to address the problem of mobile bill shock<sup>44</sup>. To increase the transparency of the relevant service information, OFCA publishes the measures implemented by individual MNOs on its website<sup>45</sup> and provides regular updates; and
- (f) Publication of the performance pledges for their mobile broadband services on a quarterly basis, covering aspects related to network reliability, service restoration time, customer hotline performance, customer complaint handling and technical performance. The

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<sup>39</sup> The Communications Association of Hong Kong is the association for Hong Kong's communications industries with responsibilities across broadcasting, wireline and wireless communications, and other relevant business sectors in the domain of information communications technology.

<sup>40</sup> The code is available at [https://www.cahk.hk/cop/p2p\\_calls](https://www.cahk.hk/cop/p2p_calls).

<sup>41</sup> The code is available at [https://www.cahk.hk/cop/en\\_contracts](https://www.cahk.hk/cop/en_contracts).

<sup>42</sup> The code is available at [https://www.cahk.hk/cop/content\\_service](https://www.cahk.hk/cop/content_service).

<sup>43</sup> The scheme is managed and operated by an agency set up under the Communications Association of Hong Kong with the necessary funding contributed by OFCA (See [https://www.ofca.gov.hk/en/consumer\\_focus/guide/help\\_for\\_consumers/ccss/index.html](https://www.ofca.gov.hk/en/consumer_focus/guide/help_for_consumers/ccss/index.html) for further details).

<sup>44</sup> Mobile bill shock refers to the shock consumers experience upon receiving unexpectedly high mobile bill charges.

<sup>45</sup> Measures in preventing mobile bill shock are available at [https://www.ofca.gov.hk/filemanager/ofca/common/webform/mbs\\_en.pdf](https://www.ofca.gov.hk/filemanager/ofca/common/webform/mbs_en.pdf).



performance pledges and performance statistics of individual MNOs are available on their respective websites and via hyperlinks on OFCA's website<sup>46</sup>.

### **B.14 Future spectrum supply**

B.14.1 In accordance with the Radio Spectrum Policy Framework, the Authority publishes the Spectrum Release Plan ("SRP")<sup>47</sup> to inform the industry and interested parties of the potential supply of radio spectrum which may be made available through open bidding, tendering process or other appropriate means in the following three years. The SRP is updated every year on a rolling basis or as required taking into account the latest developments.

B.14.2 Parties who are interested in providing mobile services should make reference to the most updated SRP and the announcements made by the Authority to invite applications to bid or apply for the radio spectrum.

### **B.15 Use of the 5 GHz shared band for the provision of public mobile services**

B.15.1 The Authority issued a statement "*Use of the 5 GHz Shared Band for the Provision of Public Mobile Services*" in June 2018<sup>48</sup>. If the Licensee is interested in making use of the 5 GHz shared band (i.e. 5150 – 5350 MHz, 5470 – 5725 MHz and 5725 – 5850 MHz) for the provision of mobile services on a shared basis, they may make separate applications to the Authority.

### **B.16 Spectrum utilization fees for spectrum assigned administratively (for fixed and other links)**

B.16.1 To encourage more efficient use of the scarce radio spectrum resources, spectrum utilization fees are imposed on non-Government users for spectrum assigned administratively (for fixed and other links). The frequency bands

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<sup>46</sup> The performance pledges and performance statistics of existing MNOs are available on their respective websites and via hyperlinks at [https://www.ofca.gov.hk/en/consumer\\_focus/operators\\_information/performance\\_pledges/index.html](https://www.ofca.gov.hk/en/consumer_focus/operators_information/performance_pledges/index.html).

<sup>47</sup> The latest version of the SRP is available at [https://www.ofca.gov.hk/filemanager/ofca/en/content\\_144/spectrum\\_plan2024\\_en.pdf](https://www.ofca.gov.hk/filemanager/ofca/en/content_144/spectrum_plan2024_en.pdf).

<sup>48</sup> The Authority's statement is available at [https://www.coms-auth.hk/filemanager/statement/en/upload/451/ca\\_statements20180604\\_en.pdf](https://www.coms-auth.hk/filemanager/statement/en/upload/451/ca_statements20180604_en.pdf).

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subject to payment of spectrum utilization fee and the level of spectrum utilization fee are specified in the following legislation –

- (a) Telecommunications (Designation of Frequency Bands subject to Payment of Spectrum Utilization Fee) Order (Cap. 106Y)<sup>49</sup>; and
- (b) Telecommunications (Level of Spectrum Utilization Fee) (Fixed and Other Links) Regulation (Cap. 106AE)<sup>50</sup>.

### **B.17 Spectrum change, swap or transfer**

B.17.1 Pursuant to section 32G of the TO, the Authority has the statutory duty to promote the efficient allocation and use of spectrum as a public resource of Hong Kong. Pursuant to section 32H of the TO, the Authority is empowered to assign frequencies and bands of frequencies to users, and to vary or withdraw such assignment.

B.17.2 The Spectrum Utilization Fees for the Frequency Blocks made available for bidding in the Auction will be determined by the market through the bidding process. In order to ensure the realization of the full market value of the spectrum, there will be a prohibition on Successful Bidders swapping or otherwise transferring their holdings of the Frequency Blocks assigned through the Auction for a specified period.

B.17.3 For the avoidance of doubt, in relation to the spectrum assigned by the Authority to Successful Bidders as determined by the Auction, any request for subsequent change in spectrum assignment or swap or other transfer of spectrum will generally not be considered until after the expiry of the first five years of the spectrum assignment for Frequency Blocks A1 to A2 and B1 to B9. Any spectrum change, swap, or equivalent request submitted thereafter will be considered by the Authority based on the merits of each case and the grant of approval or otherwise, and the imposition of conditions, if any, will be at the Authority's sole discretion.

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<sup>49</sup> The Telecommunications (Designation of Frequency Bands subject to Payment of Spectrum Utilization Fee) Order (Cap. 106Y) is available at <https://www.elegislation.gov.hk/hk/cap106Y>.

<sup>50</sup> The Telecommunications (Level of Spectrum Utilization Fee) (Fixed and Other Links) Regulation (Cap. 106AE) is available at <https://www.elegislation.gov.hk/hk/cap106AE>.

### **B.18 Trading of spectrum**

B.18.1 Trading of spectrum is a mechanism whereby a spectrum assignee may, through bilateral negotiations, transfer all or part of the spectrum it holds to another party for the remaining duration of spectrum assignment. Taking into account the findings of the consultancy study commissioned by the Government on spectrum trading, the Government advised the Legislative Council in June 2018 that it did not see a justifiable case for introducing spectrum trading in Hong Kong both in the short term (i.e. the next five years) and in the medium term (i.e. five to ten years)<sup>51</sup>.

### **B.19 Mobile network sharing**

B.19.1 MNOs may implement a number of forms of mobile network sharing, including, among others, antenna sharing, site sharing, radio access network sharing, domestic network roaming, and capacity leasing, provided that they are fully compliant with the relevant provisions under the TO, CO and relevant licence conditions<sup>52</sup>.

B.19.2 MNOs have the rights to use only the spectrum assigned to them under their respective carrier licences and shall bear responsibility for transmission of radio signals using such spectrum. Any form of mobile network sharing must not result in *de facto* sharing, pooling, leasing or transfer of spectrum, which has not been approved by the Authority or is not permitted under the existing legal and regulatory regimes.

B.19.3 For innovative forms of mobile network sharing, MNOs may furnish relevant technical and operational information on network implementation and operation to OFCA for advice on whether the proposals are fully compliant with the relevant regulatory requirements.

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<sup>51</sup> The paper to the Legislative Council Panel on Information Technology and Broadcasting is available at <https://www.legco.gov.hk/yr17-18/english/panels/itb/papers/itb20180611cb4-1200-5-e.pdf>.

<sup>52</sup> Further information on permissible forms of mobile network sharing may be found in the Telecommunications Regulatory Affairs Advisory Committee Paper Nos. 2/2016 and 4/2021 which are available at [https://www.ofca.gov.hk/filemanager/ofca/en/content\\_757/traac2\\_2016.pdf](https://www.ofca.gov.hk/filemanager/ofca/en/content_757/traac2_2016.pdf) and [https://www.ofca.gov.hk/filemanager/ofca/en/content\\_757/traac4\\_2021.pdf](https://www.ofca.gov.hk/filemanager/ofca/en/content_757/traac4_2021.pdf) respectively.

### **B.20 Real-name registration for SIM cards**

B.20.1 The SIM Cards Registration Regulation<sup>53</sup> imposes a general obligation on licensees who supply a telecommunications service in Hong Kong through a SIM card to ensure that the SIM card is not active unless the SIM card is currently registered with them.

B.20.2 With a view to providing practical and administrative guidance to licensees on implementation of the requirements imposed on them under the SIM Cards Registration Regulation, the Authority issued the SIM Cards Registration Guidelines<sup>54</sup>. The Licensee shall comply with the SIM Cards Registration Regulation and the SIM Cards Registration Guidelines in providing telecommunications services through SIM cards.

### **B.21 Implementation of measures to combat calls or messages in connection with fraudulent use**

B.21.1 Under OFCA's coordination, the Police and telecommunications operators have established a liaison protocol for implementation of blocking access to suspicious websites, suspension of telecommunications services of local phone numbers suspected to be involved in scam cases and transmission of suspicious non-local fraudulent phone numbers, based on information provided by the Police. The Licensee shall follow the relevant procedures set out in the protocol in implementing the relevant blocking or suspension of services.

B.21.2 OFCA has been working with Police and telecommunications industry in identifying and implementing technical measures to combat fraudulent calls and messages. To raise public awareness of suspicious calls originating from outside Hong Kong, mobile service providers including MNOs are sending voice or text alerts for incoming calls with caller number prefixed with "+852" to alert mobile services users that these calls are from outside Hong Kong. The Licensee shall implement the above measure or any other measures that may be determined by OFCA from time to time.

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<sup>53</sup> The SIM Cards Registration Regulation is available at <https://www.elegislation.gov.hk/hk/cap106AI>.

<sup>54</sup> The SIM Cards Registration Guidelines are available at <https://www.coms-auth.hk/filemanager/statement/en/upload/569/gn152021.pdf>.

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- B.21.3 In order to block transmission or delivery of calls being suspicious or spoofed calling line identification, the Licensee is required to implement relevant blocking in accordance with the requirements and call scenarios set out under the “*Code of Practice in relation to Calling Line Identification and Other Calling Line Identification Related Services*”<sup>55</sup>.
- B.21.4 To combat against phone scams, the Licensee shall comply with the “*Code of Practice on Management of Scam Calls and Scam SMS by Telecommunications Service Providers*” to monitor the calls and SMS originating from its networks and systems, and suspend the service of the relevant telephone numbers if suspicious scam call patterns are identified.
- B.21.5 In order to help members of the public verify the identities of SMS senders, the SMS Sender Registration Scheme (“Scheme”) has been implemented since 28 December 2023. Under the Scheme, only Registered Senders are able to send SMS using their Registered SMS Sender IDs with prefix “#”. The Licensee who sends SMS to local subscribers of mobile services in Hong Kong<sup>56</sup> is required to apply to OFCA to become a Registered Sender, and register its SMS Sender ID(s) with prefix “#”, and to comply with the requirements stipulated in the “*Code of Practice on Sending of Short Messages and Multimedia Messages by Telecommunications Service Providers*” and “*Guidelines on Registration of Sender IDs and Sending of Short Messages and Multimedia Messages*”. The relevant registrations are recorded in the SMS Sender Registry established by OFCA for public information.
- B.21.6 Under the Scheme, the Licensee is required to comply with the “*Code of Practice on Transmission and Delivery of Short Messages and Multimedia Messages from Registered Senders*” which provides practical guidance to the Licensee on the measures to combat suspected fraudulent messages to local subscribers using SMS provided by the Licensee in Hong Kong.

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<sup>55</sup> The code is available at [https://www.coms-auth.hk/filemanager/statement/en/upload/613/cop-cli\\_e.pdf](https://www.coms-auth.hk/filemanager/statement/en/upload/613/cop-cli_e.pdf).

<sup>56</sup> Local subscribers of mobile services in Hong Kong refer to subscribers of services provided by Hong Kong telecommunications service providers and for use within the territory of Hong Kong.

**B.22 Caveat to Bidders**

- B.22.1 Parties interested in the Auction should be mindful of the current regulatory arrangements and possible developments, including those set out in Section B when making their business decision to participate in the Auction.

### **C. The Licence**

#### **C.1 Terms and conditions of the Licence**

C.1.1 The Licence to be issued to each Successful Bidder will be a UCL valid for 15 years starting from the date of issue of the Licence.

C.1.2 The Licence will contain the General and Special Conditions substantially in the form set out in Appendix 1 of the Notice. The General Conditions are prescribed in the Telecommunications (Carrier Licences) Regulation (Cap. 106V) whereas the Special Conditions are specified by the Authority for the imposition of those licence conditions specific to the Licensee in the provision of public telecommunications services<sup>57</sup>. For the avoidance of doubt, the Authority reserves the right to amend the Conditions as appropriate or necessary prior to formal grant of the Licence.

#### **C.2 Assignment of the Frequency Blocks**

C.2.1 The Frequency Blocks will be assigned for use by the Successful Bidders for a period of 15 years. This assignment of the Frequency Blocks will not prejudice the generality of the power exercisable by the Authority under the TO including section 32H.

C.2.2 For the avoidance of doubt, there is no legitimate expectation of any right of renewal or right of first refusal upon expiry of assignment of any of the Frequency Blocks.

#### **C.3 Compliance with auction rules**

C.3.1 A Successful Bidder must comply with the terms and conditions of the Notice. If it is found, to the satisfaction of the Authority, to have been involved in an act, or omission of any act, constituting a breach of the terms and conditions of the Notice, then the Authority may cancel, withdraw or suspend the Licence or assignment of the relevant Frequency Block(s) under the Licence.

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<sup>57</sup> To enhance the regulation for the provision of telecommunications services using the spectrum under auction, one special condition as elaborated in C.22 below is incorporated as Special Condition 53 in the Licence set out in Appendix 1 of the Notice.

### C.4 Control of interference

- C.4.1 The Licensee is required to take all reasonable measures at its own cost to install, maintain and operate the network and the service in such a manner as not to cause any harmful interference to any lawful telecommunications and broadcasting services within or outside Hong Kong. If necessary, the Authority may issue relevant directions requiring the Licensee to take such measures as may be necessary to prevent interference. The Licensee shall comply with the directions.
- C.4.2 The Licensee must also coordinate and agree with other Licensees on the technical measures to be taken to minimise any mutual interference between them.
- C.4.3 The Licensee must at all times ensure that no harmful interference is caused to users of the spectrum in the Mainland. The Authority will have ongoing discussions with the relevant Mainland authorities to coordinate the use of frequencies in the boundary areas between Hong Kong and the Mainland. The Licensee must comply with such requirements as may be imposed by the Authority for the control of cross-border interference from time to time.
- C.4.4 For use of Frequency Block A2, the following conditions shall be observed –
- (a) The Licensee shall take all appropriate and necessary measures at its own cost to install, maintain and operate any base station so as not to cause any harmful interference to any GSM-R system(s) operating in the frequency range of 885 – 889 MHz paired with 930 – 934 MHz for railway operation including XRL and public mobile services in the Designated Areas using some frequency channels in the 900 MHz Band; and
  - (b) The Licensee shall comply with relevant directions given by the Authority requiring the Licensee to take appropriate and necessary measures as may be specified by the Authority to ensure that the service does not cause harmful interference to the present and future GSM-R system(s) for railway operation and public mobile services in the Designated Areas.



### **C.5 Permitted service and technical standard to be adopted**

- C.5.1 The Frequency Blocks shall be used for the provision of public mobile services. For the avoidance of doubt, the Licence authorises the Licensee to provide only services licensable under the TO. Nothing in the Auction or in the Licence authorises the Licensee to provide any service subject to licensing, permission, approval or other kinds of authorisation under any other ordinance.
- C.5.2 Pursuant to a technology neutral approach, the Licensee will be free to adopt any widely recognised standards for the provision of public mobile services using the assigned Frequency Blocks.
- C.5.3 Notwithstanding the technology neutrality principle, the Licensee must comply with all the relevant technical specifications, if any, which may be prescribed from time to time by the Authority under section 32D of the TO.

### **C.6 Certification of radiocommunications apparatus**

- C.6.1 All radiocommunications apparatus, including both infrastructure equipment and customer equipment used in Hong Kong, must comply with the relevant standards or specifications as may be prescribed by the Authority and meet the necessary certification requirements under the Hong Kong Telecommunications Equipment Evaluation and Certification Scheme<sup>58</sup>.
- C.6.2 The Licensee must provide services to customers, who use equipment meeting the relevant technical specifications as prescribed by the Authority, on a non-discriminatory basis irrespective of whether the equipment is acquired from the Licensee or not.

### **C.7 Network and service rollout requirement**

- C.7.1 The Licensee shall meet the network and service rollout requirement for the provision of the mobile services authorised under the Licence within five years from the issue of the Licence and shall be maintained thereafter, for

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<sup>58</sup> Information about the scheme is available at <https://www.ofca.gov.hk/filemanager/ofca/common/Industry/telecom/standard/i421e.pdf>.

Frequency Blocks A1 to A2 and B1 to B9, to provide a minimum coverage of 90% of Hong Kong population using its assigned spectrum.

C.7.2 For details of the network and service rollout requirement of the Licensee, please refer to Schedule 8 of the Licence which is set out in Appendix 1 of the Notice.

**C.8 Performance Bond for network and service rollout requirement**

C.8.1 To ensure compliance with the network and service rollout requirement within five years from the issue of the Licence, the Licensee is required to lodge a Performance Bond with the Authority. As such, the Successful Bidders must provide the Performance Bond issued by a Qualifying Bank in the amount as given in Figure 2 below.

**Figure 2: Frequency Block and Performance Bond**

Frequency Block	Performance Bond
A1	HK\$25 million
A2	HK\$25 million
B1	HK\$25 million
B2	HK\$25 million
B3	HK\$25 million
B4	HK\$25 million
B5	HK\$25 million
B6	HK\$25 million
B7	HK\$25 million
B8	HK\$25 million
B9	HK\$25 million

C.8.2 Subject to paragraphs C.8.4, C.8.5 and C.8.6 below, the Performance Bond must be provided in accordance with the timeline specified below –

- (a) for Frequency Blocks A1 to A2, on or before 31 March 2026; and
- (b) for Frequency Blocks B1 to B9, on or before 29 January 2027.

The form of the Performance Bond for network and service rollout requirement is provided in Schedule A of the Licence, which is given in Appendix 1 of the Notice.

- C.8.3 The liability under the Performance Bond will cease when the Authority is satisfied that the Licensee has fully complied with the network and service rollout requirement.
- C.8.4 An incumbent assignee of spectrum in the frequency range of 825.0 – 837.5 MHz paired with 870.0 – 882.5 MHz who has successfully acquired Frequency Block A1 may choose to provide network coverage figures demonstrating to the satisfaction of the Authority on or before 30 September 2025 that its network operating with the spectrum concerned has already fulfilled the 90% minimum population coverage requirement, in lieu of a Performance Bond.
- C.8.5 An incumbent assignee of spectrum in the frequency range of 885.0 – 915.0 MHz paired with 930.0 – 960.0 MHz who has successfully acquired Frequency Block A2 may choose to provide network coverage figures demonstrating to the satisfaction of the Authority on or before 30 September 2025 that its network operating with the spectrum concerned has already fulfilled the 90% minimum population coverage requirement, in lieu of a Performance Bond.
- C.8.6 An incumbent assignee of spectrum in the frequency range of 2300 – 2390 MHz who has successfully acquired any of Frequency Blocks B1 to B9 may choose to provide network coverage figures demonstrating to the satisfaction of the Authority on or before 29 July 2026 that its network operating with the spectrum concerned has already fulfilled the 90% minimum population coverage requirement, in lieu of a Performance Bond.

### **C.9 Provision of location information of users for emergency service**

- C.9.1 The Licensee is required to provide a public emergency service such that any member of the public may, at any time and without incurring any charge to report an emergency, by means of compatible apparatus connected to the network of the Licensee, communicate as quickly as practicable with the Hong Kong Police Emergency Centre or other entities as directed by the Authority.
- C.9.2 To facilitate the provision of emergency service in an effective, efficient and prompt manner, the Licensee is required to provide, to the extent which is

technically feasible and practicable, location information of callers making emergency calls at the time when the call is made, free of charge to the Police, Fire Services Department and other relevant Government agencies handling emergency service.

### **C.10 Denial of service to suspected stolen handsets**

C.10.1 The Authority will reserve the power to direct the Licensee not to provide services to any person who possesses or uses a radiocommunications apparatus which is stolen or suspected stolen goods.

### **C.11 Payment of Spectrum Utilization Fees**

C.11.1 As stipulated in the relevant provisions of the Regulation and the Order, the use of the Frequency Blocks in the Auction is subject to payment of the Spectrum Utilization Fees.

C.11.2 A Successful Bidder may choose to pay the Spectrum Utilization Fee in full as a lump sum payment upfront or annually in 15 instalments, with the first instalment equivalent to the lump sum amount divided by 15 and for each subsequent instalment an amount equal to the Spectrum Utilization Fee payable in the immediately preceding instalment increased by 2.5%.

C.11.3 In the case of payment by annual instalments, the Successful Bidder or the Licensee, as the case may be, is required to maintain at all times throughout the whole assignment period a rolling Performance Bond to guarantee payment of the Spectrum Utilization Fee payable in the ensuing five years, or the Spectrum Utilization Fee payable for the remaining duration of the assignment term if it is less than five years, in the form of Schedule B attached to the Licence.

C.11.4 For the avoidance of doubt, the Provisional Successful Bidder must submit a Letter of Credit to guarantee payment of the Spectrum Utilization Fee to the Authority within 35 Business Days after publication of the Provisional Successful Bidder Notice in accordance with the following –

- (a) for Frequency Blocks A1 to A2, submit a Letter of Credit to guarantee payment of the Spectrum Utilization Fee on or 31 March 2026, which is

the date on which the Spectrum Utilization Fee must be paid; and

- (b) for Frequency Blocks B1 to B9, submit a Letter of Credit to guarantee payment of the Spectrum Utilization Fee on or before 29 January 2027, which is the date on which the Spectrum Utilization Fee must be paid.

### **C.12 Payment of licence fee**

C.12.1 Unified carrier licensees are required to pay annual licence fees which are stipulated in Part 6 of Schedule 3 to the Telecommunications (Carrier Licences) Regulation (Cap. 106V). In line with the cost recovery principle, the licence fees will be set and reviewed from time to time so that the expenses incurred in the provision of the services and financing liabilities of the OFCA Trading Fund are met by the income paid to the Trading Fund.

C.12.2 The current annual licence fee payable on the issue and on each anniversary of the issue of a UCL in each year while the licence remains in force will be the sum of the items set out in Part 6 of Schedule 3 to the Telecommunications (Carrier Licences) Regulation (Cap. 106V) and the related document issued by the Authority<sup>59</sup>.

C.12.3 For the purpose of determining the licence fee payable, the quantity of customer connections, Wireless Internet of Things devices, subscriber numbers, base stations and frequencies assigned will be those authorised or in service at the time when the UCL concerned is issued or on each anniversary of the issue date.

### **C.13 Revocation of the Licence**

C.13.1 Under section 34(4) of the TO, the Authority may cancel or withdraw the Licence, or suspend the Licence for a period not exceeding 12 months, in the event of any contravention of the Licence, the TO, or any condition to which the Licensee is subject. In exercising such a power, the Authority will give the Licensee a reasonable opportunity to make representations. The exercise of this power must be proportionate and reasonable in relation to the contravention concerned.

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<sup>59</sup> Circular letter issued by the Authority on 28 April 2020 on Reporting of the Number of Customer Connections, Mobile Stations and Base Stations is available at: [https://www.coms-auth.hk/filemanager/common/licensing/circular\\_20200428\\_2.pdf](https://www.coms-auth.hk/filemanager/common/licensing/circular_20200428_2.pdf).

C.13.2 The Chief Executive in Council (“CE in C”) may, under section 34(4) of the TO, cancel or suspend the Licence at any time if the CE in C considers that the public interest so requires.

**C.14 Transfer and assignment of the Licence**

C.14.1 The Licensee may, only with the prior written consent of the Authority, and subject to such reasonable conditions as the Authority thinks fit, transfer the Licence or any permission, right or benefit under the Licence. In giving its consent, the Authority will have regard to such matters as it thinks fit including but not limited to the effect which the transfer will have on market structure and the financial and technical competence and viability of the transferee.

**C.15 Change of ownership**

C.15.1 There is no requirement to notify the Authority of a merger falling within the merger rule. However, in order to assist merging parties and their advisers when planning mergers involving one or more undertakings that holds a carrier licence under the TO, or directly or indirectly, controls an undertaking that holds such a licence, the Authority is willing to provide informal advice on a proposed merger on a confidential basis. Parties may refer to details of the merger rule in schedule 7 of the CO and how the Authority intends to interpret and give effect to the merger rule in the guideline on the merger rule jointly issued by the Authority and the Competition Commission<sup>60</sup>.

**C.16 Service contracts and dispute resolution**

C.16.1 The Licensee shall comply with all codes of practice issued by the Authority from time to time in respect of the requirements to apply in the contracting of telecommunications services to end users.

C.16.2 The contracting requirements referred to in paragraph C.16.1 above may include but not limited to the following –

- (a) the style, format and structure of service contract documentation;

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<sup>60</sup> The guideline is available at [https://www.coms-auth.hk/filemanager/en/content\\_923/comp\\_guide3\\_en.pdf](https://www.coms-auth.hk/filemanager/en/content_923/comp_guide3_en.pdf).

- (b) the manner of entering into and terminating service contracts;
- (c) the information to be included in or in connection with service contracts and the performance of the services;
- (d) the submission of disputes between end users and the providers of telecommunications services to independent dispute resolution, pursuant to a scheme approved by the Authority; and
- (e) other terms and conditions or provisions for the protection of the interests of end users.

C.16.3 Before issuing any such codes of practice, the Authority will carry out such consultation as is reasonable in the circumstances.

### **C.17 Service testing and monitoring**

C.17.1 The Licensee may be required to demonstrate that it is in compliance with the TO and licence condition in establishing, maintaining or operating any means of telecommunications in the provision of telecommunications services, by providing a customer connection to the Authority for use with any appropriate apparatus so as to enable the Authority to perform testing and monitoring of the telecommunications services provided by the Licensee. Please refer to Special Condition 51 of the Licence as set out in Appendix 1 of the Notice.

### **C.18 Universal service arrangement**

C.18.1 Under section 35B of the TO, the Authority may require one or more fixed carrier licensees<sup>61</sup> to have a universal service obligation (“USO”) for provision of basic telephone services. A system of universal service contribution (“USC”) is implemented which requires USC contributing parties to share the costs of meeting the USO. The providers of local fixed and mobile telecommunications services using local telephone numbers<sup>62</sup> are required to share the USC on the basis of the quantity of telephone numbers held by them for the provision of fixed and mobile services.

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<sup>61</sup> Including unified carrier licensees authorised to provide fixed telecommunications services.

<sup>62</sup> Specifically, USC contributing parties include unified carrier licensees authorised to provide local fixed or mobile services and SBO licensees authorised to provide class 1 service, class 2 service or class 3 service (MVNO services only).

**C.19 Phasing out of a generation of public mobile services**

C.19.1 The Licensee shall seek the prior written consent of the Authority and make proper and appropriate arrangements for the affected customers to the satisfaction of the Authority before ceasing to provide a generation of mobile service. Please refer to Special Condition 10.4 of the Licence as set out in Appendix 1 of the Notice.

**C.20 Fit and proper person**

C.20.1 The Licensee and any person exercising control over the Licensee shall be and remain a fit and proper person during the validity period of the Licence. The factors that will be taken into consideration in determining whether the Licensee or a person exercising control is fit and proper are set out in Special Condition 50.2 of the Licence. The Licensee shall have provided to the Authority a statutory declaration duly made by an authorised director, a secretary or a principal officer upon the date of issue of the Licence and shall provide such further declaration upon request by the Authority during the term of the Licence. A form of the statutory declaration is set out in Annex D of this Memorandum.

**C.21 Emergency alert system for dissemination of important real-time messages**

C.21.1 The Licensee will be required at its own expense to establish, maintain and operate an emergency alert system (“EAS”) so as to enable the Government to disseminate time-critical public announcements and messages through its mobile network to alert all the users using mobile devices that are connected to its network and support reception of such public announcements and messages during emergency situations.

C.21.2 The Licensee shall comply with any guidelines that may be issued by the Authority in relation to the establishment, maintenance, operation and testing of the EAS as well as other related tasks.



**C.22 Blocking transmission or delivery of calls or messages and suspension of service due to fraudulent use**

C.22.1 To prevent the transmission or delivery of calls or messages or suspend service due to fraudulent use, the Licensee shall (a) upon the written request by the Authority or any relevant law enforcement agency, to the extent technically feasible and practicable, and without affecting any other telecommunications services, carry out any necessary actions or take any necessary steps to block the transmission or delivery of a call or message or suspend the service provided to a customer for furtherance of any fraudulent activity committed or purported to be committed against any party; and (b) take all reasonably necessary steps to identify and block the transmission or delivery of calls or messages bearing an identity which does not comply with any applicable guideline, code of practice or instrument issued by the Authority from time to time.

**D. The Auction**

**D.1 Introduction**

D.1.1 The Notice governs the rules and procedures of the Auction and Bidders must observe the terms and conditions set out in the Notice in full. This Section only highlights certain salient features of the Auction. Any person interested in participating in the Auction should familiarise himself with the Notice and should seek independent professional advice in respect of the Notice. In the event of any discrepancy between the Notice and this Section, the Notice prevails.

D.1.2 There are four stages of the Auction –

- (a) Application Stage, as outlined in paragraph D.2 below;
- (b) Qualification Stage, as outlined in paragraph D.3 below;
- (c) Bidding Stage, as outlined in paragraph D.4 below; and
- (d) Grant Stage, as outlined in paragraph D.5 below.

D.1.3 For the purpose of the Auction, the Authority divides the available spectrum in the 850/900 MHz Bands and 2.3 GHz Band into 11 Frequency Blocks. The Secretary has specified the Minimum Fees by notice in the Gazette. The notice is in Annex A. The Frequency Blocks and the Minimum Fees are shown in Figure 3 below.

**Figure 3: Frequency Blocks and Minimum Fees**

Frequency Block	Frequency range (in MHz)	Bandwidth	Minimum Fee
A1	832.5 – 837.5 paired with 877.5 – 882.5	2 x 5 MHz	HK\$40 million
A2	885.0 – 890.0 paired with 930.0 – 935.0	2 x 5 MHz	HK\$40 million
B1	2300 – 2310	10 MHz	HK\$40 million

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B2	2310 – 2320	10 MHz	HK\$40 million
B3	2320 – 2330	10 MHz	HK\$40 million
B4	2330 – 2340	10 MHz	HK\$40 million
B5	2340 – 2350	10 MHz	HK\$40 million
B6	2350 – 2360	10 MHz	HK\$40 million
B7	2360 – 2370	10 MHz	HK\$40 million
B8	2370 – 2380	10 MHz	HK\$40 million
B9	2380 – 2390	10 MHz	HK\$40 million

D.1.4 Figure 4 below sets out the indicative dates of major events of the Auction. Please note that the timetable is for reference only and is not intended to set any deadlines to which the Authority has to adhere.

**Figure 4: Indicative timetable**

Activity	Date
Publication of Information Memorandum	19 July 2024 (Fri)
Deadline for submission of questions	16 August 2024 (Fri)
Application Dates	19 September 2024 and 20 September 2024 (Thu & Fri)
Publication of the Bidder Notice to announce the identities of Bidders (i.e. applicants)	20 September 2024 (Fri)
Deadline for submission of Connected Bidder Statutory Declaration by Bidders	27 September 2024 (Fri)
Deadline for resolution of pre-existing bidder association by Connected Bidders	14 October 2024 (Mon)
Publication of the Qualified Bidder Notice to announce the identities of Qualified Bidders	18 October 2024 (Fri)

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<b>Activity</b>	<b>Date</b>
Issue of the Bidding Stage Notice to inform Qualified Bidders of the date on which the Bidding Stage will commence	18 October 2024 (Fri)
Training and mock auction sessions for Qualified Bidders	6 November 2024 and 8 November 2024 (Wed & Fri)
Commencement of the Bidding Stage	11 November 2024 (Mon)
Publication of the Provisional Successful Bidder Notice to announce the result of the Bidding Stage	Within two Business Days after the end of the Bidding Stage
Deadline for (1) submission of Connected Bidder Statutory Declaration by Provisional Successful Bidders, and (2) Provisional Successful Bidders to notify the Authority whether or not they are subject to an Approval	Within two Business Days after publication of the Provisional Successful Bidder Notice
Deadline for (1) submission of Letters of Credit for guaranteeing payment of Spectrum Utilization Fees, and (2) compliance of other Grant Stage procedures, by Provisional Successful Bidders	Within 35 Business Days after publication of the Provisional Successful Bidder Notice
Publication of the Successful Bidder Notice	After (1) submission of Letters of Credit for guaranteeing payment of Spectrum Utilization Fees, and (2) compliance of other Grant Stage procedures, by Provisional Successful Bidders

**D.2 Application Stage**

D.2.1 All interested parties, including new entrants and incumbent licensees, may participate in the Auction. They may participate on their own and/or cooperate with others in the form of a joint venture or other types of agreement (subject to the CO and the terms and conditions of the Notice, such as in relation to anti-collusion). There is no foreign ownership restriction on the Bidders.

D.2.2 Bidders must provide –

- (a) a duly completed Application Form containing all requested information and supporting documents,
- (b) a duly completed Bidder Compliance Certificate, and
- (c) a Deposit of an amount specified in paragraph D.2.5 below.

Applications that do not contain all the requested information may be rejected and such Bidders may not be qualified. Bidders must follow the detailed instructions given in the Application Form (which is attached in Appendix 4 of the Notice).

D.2.3 Applications must be delivered by hand to the Assistant Director (Market and Competition) at Office of the Communications Authority's Office between 9:00 am and 5:30 pm on the Application Dates, namely on either 19 September 2024 or 20 September 2024. Late Applications will not be accepted. Detailed instructions on submission of Applications are set out in Section E.

D.2.4 A Bidder which has submitted an Application is not permitted to withdraw its Application or withdraw from the Auction, other than in accordance with the terms and conditions of the Notice.

**Amount of Deposit**

D.2.5 On submission of an Application and as a condition of qualification, a Bidder is required to provide a Deposit. The Deposit must be in an amount as specified in Figure 5 below. The Authority will take into account the amount

of the Deposit provided by the Bidder in determining the number of Eligibility Points to be attributed to the Bidder for the first Round of the Bidding Stage. Notwithstanding the Deposit provided by the Bidder, the maximum number of Eligibility Points to be attributed to the Bidder is 6 due to the imposition of the Spectrum Cap.

**Figure 5: Deposit and Eligibility Points to be attributed to Bidders**

<b>Deposit</b>	<b>Eligibility Points to be attributed to Bidder for the first Round of the Bidding Stage</b>
HK\$40 million	1
HK\$80 million	2
HK\$120 million	3
HK\$160 million	4
HK\$200 million	5
HK\$240 million	6

D.2.6 More details of the rules and procedures of the Application Stage are set out in Part 2 of the Notice.

### **D.3 Qualification Stage**

#### **Bidder association rules**

D.3.1 The Authority will publish a Bidder Notice to announce the identity of each Bidder which has submitted an Application. The Authority will specify a date by which each Bidder must notify the Authority whether it is a Connected Bidder by submitting a Connected Bidder Statutory Declaration.

D.3.2 A Connected Bidder refers to a Bidder that has a Connection to another Bidder.

D.3.3 A company (Company A) is taken to have a Connection to another company (Company B) if –

- (a) Company A holds a material interest in Company B;
- (b) Company B holds a material interest in Company A; or
- (c) a person holds a material interest in both Company A and Company B.

Paragraphs 1.5 and 1.6 of the Notice provide further details of the Bidder association rules (including the definition of material interest for this purpose).

- D.3.4 If the Authority determines that two or more Bidders are Connected Bidders, the Authority will publish the identities of the Connected Bidders and will specify a deadline by which the Connected Bidders must make all arrangements as may be necessary to satisfy the Authority that they cease to be Connected Bidders in relation to each other, and must jointly submit to the Authority a notification with documentary proof of the arrangements that have been made. Any Bidder failing to satisfy the Authority that it is not a Connected Bidder in relation to another Bidder will not be eligible as a Qualified Bidder.

### **Qualification requirements**

- D.3.5 To be eligible as a Qualified Bidder, the Bidder must satisfy the Authority of all of the following –
- (a) it has duly submitted an Application (including the Application Form containing all requested information and supporting documents, Bidder Compliance Certificate and the Deposit);
  - (b) it complies with or is capable of complying with all the undertakings given in the Bidder Compliance Certificate; and
  - (c) it is not a Connected Bidder in relation to another Bidder.
- D.3.6 The Authority will publish a Qualified Bidder Notice to announce the identities of the Qualified Bidders. For the avoidance of doubt, the objective of the qualification exercise is to finalise the list of Bidders which are qualified to take part in the Auction. Nothing in the qualification exercise or in the Auction should be construed as an approval of proposals made by the Qualified Bidders in their Applications which are subject to the requirements of licensing or approval of the relevant authorities under the TO or any other ordinance or otherwise unrelated to the Auction.

### **Number of Qualified Bidders**

- D.3.7 If there is no Bidder or no Qualified Bidder, or if there is only one Qualified Bidder, the Bidding Stage will not take place and the Authority will publish a notice accordingly.
- D.3.8 If there is only one Qualified Bidder, the Authority will specify a date by which that Qualified Bidder must submit a Frequency Block Selection Form to indicate the Frequency Blocks it wishes to be assigned, subject to the Spectrum Cap. Upon approval of the Frequency Block Selection Form by the Authority, the Qualified Bidder will become the Provisional Successful Bidder and the Spectrum Utilization Fee payable by it will be the total amount of the Minimum Fees for the selected Frequency Blocks.
- D.3.9 If there is more than one Qualified Bidder, the Bidding Stage will take place.
- D.3.10 More details of the rules and procedures of the Qualification Stage are set out in Part 3 of the Notice.

### **D.4 Bidding Stage**

- D.4.1 Only Qualified Bidders will be eligible for participation in the Bidding Stage. From this part onwards, any reference to a Bidder means a Qualified Bidder.
- D.4.2 The Bidding Stage will take the form of a simultaneous multiple round ascending auction. Bidding in respect of 11 Frequency Blocks will be conducted simultaneously and will consist of one or more bidding Rounds in which Bidders may submit Bids for the Frequency Blocks. Bidders are allowed to submit a Bid for any Frequency Block in any of the three frequency bands in any Round, subject to the Spectrum Cap set for each frequency band and the number of Eligibility Points attributed to the bidders in each Round.
- D.4.3 In the first Round, the Round Price for each Frequency Block is set at the Minimum Fee as given in Figure 3 above. A Bidder must submit a Valid Bid for at least one Frequency Block. If a Bidder fails to submit a Valid Bid for at least one Frequency Block in the first Round, it will be disqualified and up to the full amount of its Deposit will be forfeited.



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- D.4.4 In each subsequent Round, the Authority will specify the Round Price for each Frequency Block. Bidders may choose whether to submit a Valid Bid at the Round Price. Bidders have no discretion to submit Bids at a price higher or lower than the Round Price (subject to paragraph D.4.30 below). At the end of each Round, the Authority will determine a Standing Highest Bid among the Valid Bids for each Frequency Block. If two or more Valid Bids are received for a Frequency Block, then the Standing Highest Bid for that Frequency Block will be determined by the Authority at random.
- D.4.5 At least two Business Days before the commencement of the Bidding Stage, the Authority will issue a Bidding Stage Notice to each Bidder notifying them of the date and time when the Bidding Stage will commence.

### **Communication system**

- D.4.6 The Authority will use a communication system to send bidding information to Bidders and to receive submissions from Bidders. The communication system will consist of a web-based software platform and a back-up system of facsimile machines.
- D.4.7 Prior to the Bidding Stage, Bidders will be provided with –
- (a) IP addresses, passwords, Virtual Private Network tokens, digital certificates and manuals for access and use of the software platform;
  - (b) facsimile numbers, passwords and forms as specified by the Authority (in case of contingency where the back-up system is used); and
  - (c) telephone numbers and passwords as specified by the Authority.
- D.4.8 The web-based software platform works on a wide range of operating systems and web browsers. Bidders will be required to install the digital certificates needed for authentication and data encryption. System requirement details will be provided to Bidders in the Bidder's manual.
- D.4.9 To submit a Valid Bid, a Waiver or a Withdrawal by the software platform, the Bidder must identify itself by the digital certificate and the password supplied by the Authority. To submit a Valid Bid, a Waiver or a Withdrawal

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by facsimile machine, the Bidder must use the form specified by the Authority and identify itself with the password supplied by the Authority.

- D.4.10 Bidders will be invited to attend training and mock auction sessions in order to familiarise themselves with the use of the communication system.
- D.4.11 Each Bidder should deploy its own resources to resolve the technical problems of its information technology and communication systems during the Bidding Stage. In the event that a Bidder encounters any technical problem that cannot be resolved immediately, the Bidder must without delay notify the Authority of the problem.

### Round Prices

- D.4.12 In the first Round, the Round Price for each Frequency Block will be set at the Minimum Fee as given in Figure 3 above.
- D.4.13 As the Bidding Stage proceeds from Round to Round, the Authority may adjust the Round Price as it thinks appropriate. In general, the Authority is minded to adjust the Round Price for a Frequency Block as follows –
- (a) If one or more Valid Bids were received for a Frequency Block in the immediately preceding Round, the Round Price for that Frequency Block will be adjusted upward.
  - (b) If no Valid Bid was received for a Frequency Block in the immediately preceding Round but there is a Standing Highest Bid for that Frequency Block, the Round Price for that Frequency Block may be kept unchanged or adjusted downward. In any event, the adjusted Round Price will not be less than the Standing Highest Bid.
  - (c) If no Valid Bid was received for a Frequency Block in the immediately preceding Round and there is no Standing Highest Bid for that Frequency Block, the Round Price may be adjusted downward. In any event, the adjusted Round Price will not be less than the Minimum Fee for that Frequency Block.

**Scheduling of Rounds**

- D.4.14 For the Bidding Stage, Rounds will be scheduled by the Authority at its sole discretion. The Authority anticipates scheduling the Rounds between 9:00 am and 5:30 pm on Business Days. The Authority anticipates that a Round will not last for less than 5 minutes or more than 60 minutes. The Authority may re-schedule the time of a Round at its discretion.
- D.4.15 The Authority may, at its discretion, publish details of the anticipated schedule for the following Business Day or any part thereof in advance. However, the Authority reserves the right to deviate from the schedule at any time.

**Activity rules**

- D.4.16 As a tool to maintain the Activity Level of the Bidders and to prevent any of the Bidders from bidding for spectrum exceeding the Spectrum Cap, there will be rules governing the activities of the Bidders during the Bidding Stage.
- D.4.17 One Eligibility Point will be attributed to each Frequency Block in accordance with Appendix 2 of the Notice.
- D.4.18 A Bidder must have the required number of Eligibility Points in order to bid for the Frequency Blocks. For instance, if a Bidder wishes to bid for Frequency Blocks A1, B1 and B2, it must have at least 3 Eligibility Points in order to bid for the three Frequency Blocks.
- D.4.19 For the first Round, the number of Eligibility Points attributed to each Bidder will be determined by the amount of Deposit it has submitted, as described in paragraph D.2.5 and Figure 5 above. The Bidder may decide how many Eligibility Points it requires and pay the relevant amount of Deposit. According to the Spectrum Cap and number of Eligibility Points required to bid for the spectrum allowed under the Spectrum Cap indicated in Figure 6 below, no more than 6 Eligibility Points will be attributed to any one Bidder.

**Figure 6: Spectrum Cap and Maximum Eligibility Point per Frequency Band**

Frequency Band	Spectrum Cap	Maximum Eligibility Point
850/900 MHz Bands	2 x 5 MHz	1
2.3 GHz Band	50 MHz	5

D.4.20 For each subsequent Round, the number of Eligibility Points attributed to a Bidder will be equal to the Activity Level of the Bidder in the immediately preceding Round, unless the Bidder submits or is deemed to have submitted a Waiver in the immediately preceding Round in which case the number of Eligibility Points attributed to the Bidder will be determined in accordance with paragraph D.4.27 below. The Activity Level of a Bidder in a Round is the aggregate number of Eligibility Points attributed to the Frequency Blocks in which the Bidder –

- (a) submits a Valid Bid; and
- (b) holds a Standing Highest Bid at the end of the immediately preceding Round (except where the Bidder submits a Valid Bid for that Frequency Block in which case Eligibility Points are to be attributed under subparagraph (a) above or where the Bidder submits a Withdrawal for that Frequency Block in which case the Eligibility Points are to be disregarded).

D.4.21 A Bidder who reduces its Activity Level in a Round will have fewer Eligibility Points in the immediately following Round. Where the number of Eligibility Points attributed to a Bidder is reduced to zero, that Bidder will not be eligible to participate further in the Bidding Stage.

### **Withdrawal**

D.4.22 A Standing Highest Bidder may withdraw its Standing Highest Bids. The Standing Highest Bids that are withdrawn will not count towards the Bidder's Activity Level in the Round in which the Withdrawal is made.

D.4.23 There is no limit on the number of Standing Highest Bids that a Bidder may withdraw in a Round, but a Bidder is not allowed to submit a Withdrawal in more than two Rounds. If a Bidder submits a Withdrawal, it may be subject to a liability for its Withdrawal. Paragraph 4.10.2 of the Notice provides further details of this potential liability.

### Waiver

- D.4.24 A Waiver allows a Bidder to maintain its Eligibility Points even though it does not wish to take any action or fails to take any action in a Round.
- D.4.25 In the first Round, submission of a Waiver is not allowed. In any subsequent Round, a Bidder may actively submit a Waiver or may be deemed to submit a Waiver if it fails to take any action in a Round.
- D.4.26 Each Bidder may submit or be deemed to submit a Waiver in a maximum of two Rounds. The Authority may at its sole discretion grant additional Waivers to all Bidders in exceptional circumstances.
- D.4.27 Where a Waiver is submitted or deemed to have been submitted, the number of Eligibility Points attributed to the Bidder for the immediately following Round will be equal to the Activity Level of the Bidder in the most immediately preceding Round in which the Bidder did not submit or was not deemed to have submitted a Waiver.

### Conclusion of Bidding Stage

- D.4.28 The Bidding Stage will end where there is a Round in which no Valid Bid, Withdrawal or Waiver is submitted by any Bidder.
- D.4.29 The Bidder who is the Standing Highest Bidder for a Frequency Block at the end of the Bidding Stage will be the Provisional Successful Bidder for that Frequency Block and the Spectrum Utilization Fee payable for that Frequency Block will be the amount of that Standing Highest Bid.
- D.4.30 In case the Bidding Stage continues for a protracted period of time, the Authority may, at its sole discretion, specify a Round to be the final Round by giving an advance notice period of six Rounds (if practicable). In such specified final Round, Bidders may submit a Valid Bid for a Frequency Block at any amount, in whole Hong Kong Dollars, at or above the Round Price. In respect of each Frequency Block, the Bidder who submits the highest Valid Bid will be the Provisional Successful Bidder.

**Announcement of the Bidding Stage result**

- D.4.31 Within two Business Days after the end of the Bidding Stage, the Authority will publish a Provisional Successful Bidder Notice to announce to the public the identity of the Provisional Successful Bidder for each of the Frequency Blocks and the Spectrum Utilization Fee payable for each Frequency Block.
- D.4.32 Paragraph 4.14 of the Notice provides further details of the Provisional Successful Bidder Notice.

**Notification of Connection of Provisional Successful Bidders**

- D.4.33 Within two Business Days after publication of the Provisional Successful Bidder Notice, each Provisional Successful Bidder is required to notify the Authority whether it is a Connected Bidder in relation to another Provisional Successful Bidder by submitting a Connected Bidder Statutory Declaration to the Authority.
- D.4.34 If the Authority determines that two or more Provisional Successful Bidders are Connected Bidders (“Connected Provisional Successful Bidders”) and the total amount of spectrum in each frequency band for which they are Provisional Successful Bidders exceeds the Spectrum Cap, the Connected Provisional Successful Bidders must (a) make all necessary arrangements so as to satisfy the Authority that they cease to be Connected Provisional Successful Bidders in relation to each other or that the total amount of spectrum in each frequency band to be assigned to them does not exceed the Spectrum Cap, and (b) jointly submit to the Authority a notification with documentary proof of the arrangements that they have made.
- D.4.35 If the Connected Provisional Successful Bidders fail to make any arrangement or submit a joint notification as required, the Authority will conduct a Sub-Auction to determine which of the Connected Provisional Successful Bidders will be the remaining Provisional Successful Bidder(s) whilst other Connected Provisional Successful Bidder(s) will cease to be Provisional Successful Bidder(s).
- D.4.36 In the Sub-Auction, for each relevant frequency band, each Connected Provisional Successful Bidder may offer one Valid Bid of any amount at or

above the minimum fee of HK\$0 that it is willing to pay in addition to its Standing Highest Bid (or the aggregate of its Standing Highest Bids) at the end of the Bidding Stage. The Connected Provisional Successful Bidder whose Valid Bid offered in the Sub-Auction together with the Spectrum Utilization Fee payable by it at the Bidding Stage produces the highest aggregate amount will remain as a Provisional Successful Bidder for that frequency band, and that highest aggregate amount will be the Spectrum Utilization Fee payable by the Provisional Successful Bidder.

- D.4.37 Paragraph 4.15 of the Notice provides further details of the process for dealing with Connected Provisional Successful Bidders at the end of the Bidding Stage.
- D.4.38 More details of the rules and procedures of the Bidding Stage are set out in Part 4 of the Notice. Please also refer to Annex E for the illustrative and non-exhaustive example of the bidding scenarios that may occur during the Bidding Stage.

### **D.5 Grant Stage**

#### **Notification of Approval**

- D.5.1 Each Provisional Successful Bidder is required to notify the Authority whether it is subject to an Approval within two Business Days after publication of the Provisional Successful Bidder Notice.
- D.5.2 Paragraph 5.1 of the Notice provides further details of the Approval notification requirements.

#### **Duties of Provisional Successful Bidder**

- D.5.3 Within 35 Business Days after publication of the Provisional Successful Bidder Notice or the Revised Provisional Successful Bidder Notice, as the case may be, the Provisional Successful Bidder of each of the Frequency Blocks, it is required to take the following action –
- (a) For Frequency Blocks A1 to A2, it is required to provide to the Authority a Letter of Credit in full amount of the Spectrum Utilization Fee payable

by it from a Qualifying Bank to guarantee payment of the Spectrum Utilization Fee on or before 31 March 2026; and

- (b) For Frequency Blocks B1 to B9, it is required to provide to the Authority a Letter of Credit in full amount of the Spectrum Utilization Fee payable by it from a Qualifying Bank to guarantee payment of the Spectrum Utilization Fee on or before 29 January 2027;

### **Grant of Licence**

- D.5.4 After a Provisional Successful Bidder has satisfied the Authority that it is not a Connected Bidder in relation to another Provisional Successful Bidder, confirmed that it is not subject to an Approval or an Approval has been obtained, and fulfilled the requirements in paragraph D.5.3 above, the Authority will publish a Successful Bidder Notice announcing that the Provisional Successful Bidder becomes a Successful Bidder.
- D.5.5 For Frequency Block A1, after the Successful Bidder has paid the Authority the Spectrum Utilization Fee in the prescribed manner as referred to in paragraphs D.5.8 and D.5.9 below and has provided to the Authority where applicable a Performance Bond or network coverage figures for the network and service rollout requirement in accordance with the deadline as specified in paragraphs C.8.1, C.8.2 and C.8.4 above, the Authority will grant a Licence to the Successful Bidder on 1 June 2026.
- D.5.6 For Frequency Block A2, after the Successful Bidder has paid the Authority the Spectrum Utilization Fee in the prescribed manner as referred to in paragraphs D.5.8 and D.5.9 below and has provided to the Authority where applicable a Performance Bond or network coverage figures for the network and service rollout requirement in accordance with the deadline as specified in paragraphs C.8.1, C.8.2 and C.8.5 above, the Authority will grant a Licence to the Successful Bidder on 1 June 2026.
- D.5.7 For Frequency Blocks B1 to B9, after the Successful Bidder has paid the Authority the Spectrum Utilization Fee in the prescribed manner as referred to in paragraphs D.5.8 and D.5.9 below and has provided to the Authority where applicable a Performance Bond or network coverage figures for the network and service rollout requirement in accordance with the deadline as



specified in paragraphs C.8.1, C.8.2 and C.8.6 above, the Authority will grant a Licence to the Successful Bidder on 30 March 2027.

### **Payment of Spectrum Utilization Fee**

- D.5.8 A Successful Bidder may choose to pay the Spectrum Utilization Fee in full as a lump sum payment upfront; or annually in 15 instalments, with the first instalment equivalent to the lump sum amount divided by 15 and for each subsequent instalment an amount equal to the Spectrum Utilization Fee payable in the immediately preceding instalment increased by 2.5%.
- D.5.9 In the case of payment by annual instalments, the Successful Bidder or the Licensee, as the case may be, is required to maintain at all times throughout the whole assignment period a rolling Performance Bond to guarantee payment of the Spectrum Utilization Fee payable in the ensuing five years, or the Spectrum Utilization Fee payable for the remaining duration of the assignment term if it is less than five years in the form of Schedule B attached to the Licence.
- D.5.10 More details of the rules and procedures of the Grant Stage are set out in Part 5 of the Notice.

### **Unassigned spectrum**

- D.5.11 Any Frequency Block which is not assigned in the Auction (for example there is no Provisional Successful Bidder/Successful Bidder or it is not assigned to a Provisional Successful Bidder/Successful Bidder which was subsequently disqualified by the Authority) will remain vested in the Authority.

## **D.6 Rules on conduct of Bidders and other matters**

### **Breach of Notice**

- D.6.1 Each Bidder must comply with the terms and conditions of the Notice. If a Bidder breaches one or more of the terms and conditions of the Notice, the Authority may, at its discretion –
- (a) disqualify that Bidder from the Auction; and/or

- (b) forfeit an amount (up to the full amount of that Bidder's Deposit) by way of Penalty from that Bidder's Deposit where the Deposit is in cash or make a claim under that Bidder's Letter of Credit where the Deposit is a Letter of Credit,

if the Authority considers that the disqualification and/or the Penalty are proportionate and reasonable in relation to the breach. Paragraph 6.1 of the Notice provides more details on the consequences of the breach of the terms and conditions of the Notice by Bidders.

- D.6.2 If a Successful Bidder is found to have breached one or more of the terms and conditions of the Notice after it has been granted a Licence then, as noted in paragraph C.3.1 above, the Authority may cancel, withdraw or suspend the Licence or assignment of the relevant Frequency Block(s) under the Licence.

### **Participation in the Auction in good faith**

- D.6.3 Bidders must participate in the Auction in good faith in accordance with the terms and conditions of the Notice.
- D.6.4 Bidders must not submit to the Authority any information (including, without limitation, in an Application) which is false or misleading.

### **Rules in relation to Confidential Information, collusion, etc.**

- D.6.5 Bidders and its Insiders must not –
  - (a) disclose or permit others to disclose Confidential Information;
  - (b) take steps to obtain Confidential Information of another Bidder;
  - (c) attempt to collude or to manipulate the Auction; or
  - (d) contravene the Prevention of Bribery Ordinance (Cap. 201).
- D.6.6 If any person by any deceit and with intent defrauds the Authority in the course of the Auction, in addition to being disqualified from the Auction, he may be subject to criminal investigation and prosecution.
- D.6.7 Further details on the conduct of the Bidders are set out in Part 6 of the Notice.

### **Other matters**

- D.6.8 The Authority, as the auctioneer, will conduct the Auction fairly and impartially. The Authority may, at its sole discretion, invite an independent third party to be an observer of the Bidding Stage.
- D.6.9 The Authority will keep all the bidding decisions of the Bidder confidential.
- D.6.10 This Section D only highlights certain salient features of the Auction. Bidders are required to observe the terms and conditions set out in the Notice in full.

## APPLICATION INSTRUCTIONS

### E. Application instructions

#### E.1 Application instructions for the Bidder

- E.1.1 An Application must be submitted in English.
- E.1.2 An Application must be sealed in a non-transparent envelope, together with the Letter of Credit or a written notification setting out all details and evidence of the cash deposit made by the Bidder, and must be marked –

#### **“For the attention of the Communications Authority”**

No other marking should appear on the envelope.

- E.1.3 An Application must contain all information and supporting documents requested in the Application Form instructions.
- E.1.4 An Application must be delivered in person and by hand to Assistant Director (Market and Competition) of OFCA who will be available between **9:00 am and 5:30 pm on 19 September 2024** and between **9:00 am and 5:30 pm on 20 September 2024** at the following address –

Office of the Communications Authority  
29/F, Wu Chung House  
213 Queen’s Road East  
Wanchai  
Hong Kong

The Assistant Director (Market and Competition) of OFCA will deposit the Application into a secure tender box. This will be witnessed by the person delivering the Application.

- E.1.5 If a tropical cyclone warning signal no. 8 or above, a “black” rainstorm warning signal or “extreme conditions” alert is in force in Hong Kong on **19 September 2024** or **20 September 2024**, Applications must reach the Authority at the above address between 9:00 am and 5:30 pm on the Business Day immediately following the day on which none of the signals or alert remain in force.

## APPLICATION INSTRUCTIONS

E.1.6 By 4:00 pm on the later of the Application Dates, the Bidder must also have transferred the Deposit (if paid in cash) so as to have been received in cleared funds in either one of the following Authority's Accounts –

- (a) **Bank** : Bank of China, Hong Kong Branch  
Ground Floor, Wu Chung House  
213 Queen's Road East  
Wanchai  
Hong Kong
- Account name** : Office of the Communications Authority  
**Account number** : 012-899-1-003883-3
- (b) **Bank** : The Hongkong and Shanghai Banking  
Corporation Limited  
Head Office  
1 Queen's Road Central  
Hong Kong
- Account name** : Office of the Communications Authority  
**Account number** : 004-048-203558-292

E.1.7 The payment must be accompanied with a unique identifier consisting of the registered name of the Bidder.

## CONTACTS AND FURTHER INFORMATION

### **F. Contacts and further information**

#### **F.1 Contacts for enquiries**

F.1.1 Any enquiries relating to this Memorandum and the Auction process should be addressed in writing and sent to the Authority. Enquiries should be sent by post, fax or e-mail to the following contact address or number –

Office of the Communications Authority  
29/F, Wu Chung House  
213 Queen's Road East  
Wanchai  
Hong Kong

Fax number: +852 2123 2187

E-mail: Auction850-900-2300MHz@ofca.gov.hk

All questions should be marked –

#### **“850/900 MHz and 2.3 GHz Spectrum Auction Questions”**

The person asking the question(s) must be identified and the organization that the person represents must be stated. Contact details other than e-mail addresses (i.e. postal address, fax number, telephone number) must also be provided.

#### **F.2 Publication of further information**

F.2.1 From the date of issue of this Memorandum, the Authority has the discretion to publish further information and to publish questions raised and the answers provided. The Authority may, however, exercise the discretion not to publish a particular question and answer, in whole or in part and will also reserve the right not to respond to any question. The identity of the person asking the questions will not be published without his/her consent.

F.2.2 Further information regarding the Auction will generally be made available on the Authority's Website. Parties wishing to receive notifications that additional information has been posted on the website should register with the

## **CONTACTS AND FURTHER INFORMATION**

Authority on the Authority's Website. Upon posting new information regarding the Auction on the website, those parties who have registered will be notified by e-mail that such information has been made available.

**ANNEX A**

**GAZETTE NOTICE OF THE MINIMUM FEES ISSUED BY  
THE SECRETARY FOR COMMERCE AND ECONOMIC  
DEVELOPMENT**



TELECOMMUNICATIONS ORDINANCE (CHAPTER 106)  
AND  
TELECOMMUNICATIONS (METHOD FOR DETERMINING SPECTRUM  
UTILIZATION FEE) (SPECTRUM FOR AUCTION) REGULATION  
(CHAPTER 106AG)

By this Notice, I, in exercise of the powers conferred by section 32I of the Telecommunications Ordinance (Chapter 106) (the “Ordinance”) and section 10 of the Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) Regulation (Chapter 106AG) (the “Regulation”), specify the minimum amount of the spectrum utilization fee for the purposes of sections 5(3), 6(2) and 7(3) of the Regulation as follows:-

**(1) Section 5(3) of the Regulation**

The minimum amount of the spectrum utilization fee for the purpose of section 5(3) of the Regulation shall be given in the Schedule to this Notice.

**(2) Section 6(2) of the Regulation**

The minimum amount of the spectrum utilization fee for the purpose of section 6(2) of the Regulation shall be given in the Schedule to this Notice.

**(3) Section 7(3) of the Regulation**

The minimum amount of the spectrum utilization fee for the purpose of section 7(3) of the Regulation shall be HK\$0.

In this Notice, unless the context otherwise requires, words and expressions herein shall have the meaning assigned to them in the Ordinance and in the Regulation. This Notice shall become effective from the date hereof and shall continue in force until withdrawn, modified or replaced by the Secretary.

*19 July 2024*

*Algernon YAU Secretary for Commerce and Economic Development*

## SCHEDULE

<b>Frequency Block</b>	<b>Frequency range (MHz)</b>	<b>Minimum amount of the spectrum utilization fee for the purposes of section 5(3) and section 6(2) of the Regulation</b>
A1	832.5 – 837.5 paired with 877.5 – 882.5	HK\$40,000,000
A2	885.0 – 890.0 paired with 930.0 – 935.0	HK\$40,000,000
B1	2300 – 2310	HK\$40,000,000
B2	2310 – 2320	HK\$40,000,000
B3	2320 – 2330	HK\$40,000,000
B4	2330 – 2340	HK\$40,000,000
B5	2340 – 2350	HK\$40,000,000
B6	2350 – 2360	HK\$40,000,000
B7	2360 – 2370	HK\$40,000,000
B8	2370 – 2380	HK\$40,000,000
B9	2380 – 2390	HK\$40,000,000

**ANNEX B            GAZETTE NOTICE OF TERMS AND CONDITIONS OF  
THE AUCTION (INCLUDING THE FORM OF THE  
LICENCE) ISSUED BY THE COMMUNICATIONS  
AUTHORITY**

**Telecommunications Ordinance (Chapter 106)**  
**and**  
**Telecommunications (Method for Determining Spectrum Utilization Fee)**  
**(Spectrum for Auction) Regulation (Chapter 106AG)**

By this Notice, the Communications Authority, in exercise of the powers conferred by section 32I of the Telecommunications Ordinance, the Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) Regulation and all other powers enabling it for this purpose, specifies the terms and conditions of the auction in relation to the use of the frequency blocks in the 850/900 MHz Bands and 2.3 GHz Band specified in this Notice and the payment of the spectrum utilization fees. This Notice, where appropriate, also constitutes guidelines issued under section 6D of the Telecommunications Ordinance indicating the manner in which the Communications Authority proposes to perform its function of determining applications for licences which it may issue pursuant to section 7 of the Telecommunications Ordinance including the licensing criteria and other relevant matters it proposes to consider.

Communications Authority

19 July 2024

## Part 1 – Introduction

### 1.1 Commencement

1.1.1 This Notice comes into effect on the date of issue.

### 1.2 Purpose of Notice

1.2.1 The purpose of this Notice is to specify -

- (a) the terms and conditions of the Auction and the payment of Spectrum Utilization Fees; and
- (b) the Bidders which may be considered for the grant of a Licence.

### 1.3 Stages of the Auction

1.3.1 This Notice provides for four stages of the Auction -

- (a) Application Stage as specified in Part 2;
- (b) Qualification Stage as specified in Part 3;
- (c) Bidding Stage as specified in Part 4; and
- (d) Grant Stage as specified in Part 5.

### 1.4 Definitions

1.4.1 In this Notice, unless the context otherwise requires -

“**850 MHz Band**” means the frequency range of 832.5 – 837.5 MHz paired with 877.5 – 882.5 MHz;

“**900 MHz Band**” means the frequency range of 885.0 – 890.0 MHz paired with 930.0 – 935.0 MHz;

“**850/900 MHz Bands**” means collectively the 850 MHz Band and 900 MHz Band;

“**2.3 GHz Band**” means the frequency range of 2300 – 2390 MHz;

“**Activity Level**” has the meaning given in paragraph 4.9.5;

“**Application**” means an application submitted by a Bidder to the Authority in writing in accordance with Part 2;

“**Application Dates**” means 19 September 2024 and 20 September 2024;

“**Application Form**” means the form specified in Appendix 4 of this Notice;

“**Application Stage**” means the stage specified in Part 2;

“**Approval**” means any shareholder approval which is required by law or any regulatory authority before a Licence is granted to a Bidder and which is not capable of being reasonably obtained prior to the date on which the Application by that Bidder is submitted in accordance with Part 2;

“**Approval Date**” means ten Business Days after the date of the Provisional Successful Bidder Notice;

“**Auction**” means the procedure specified in this Notice;

“**Authorised Representative**” means the person authorised by a Bidder to submit a Bid in the Auction whose name and signature have been provided to the Authority in the Application submitted by the Bidder under Part 2 or in a notification under paragraph 7.7.1;

“**Authority**” means the Communications Authority established under the Communications Authority Ordinance (Cap. 616, Laws of Hong Kong);

“**Authority’s Account**” means the designated account of the Authority in the name of “Office of the Communications Authority” at the Deposit Bank, namely the account 012-899-1-003883-3 at Bank of China or the account 004-048-203558-292 at HSBC;

“**Authority’s Office**” means the Office of the Communications Authority, 29<sup>th</sup> Floor, Wu Chung House, 213 Queen’s Road East, Wanchai, Hong Kong;

“**Banking Ordinance**” means the Banking Ordinance (Cap. 155, Laws of Hong Kong);

“**Bid**” means the amount of Spectrum Utilization Fee, expressed in Hong Kong Dollars, a Bidder wishes to offer in relation to a Frequency Block in

the Auction;

“**Bidder**” means a body corporate which submits or has submitted an Application;

“**Bidder Compliance Certificate**” means the certificate specified in Appendix 5 of this Notice;

“**Bidder Notice**” means the notice published by the Authority in accordance with paragraph 3.1.1;

“**Bidding Stage**” means the stage specified in Part 4;

“**Bidding Stage Notice**” means the notice published by the Authority in accordance with paragraph 4.3.1;

“**Business Day**” means a full day other than a Saturday or a Sunday on which banks in Hong Kong are open for general business;

“**Commission**” means the Securities and Futures Commission established under the Securities and Futures Ordinance (Cap. 571, Laws of Hong Kong);

“**Companies Ordinance**” means the Companies Ordinance (Cap. 622, Laws of Hong Kong);

“**Conditions**” means the General Conditions and Special Conditions to which the Licence is subject, substantially in the form set out in Appendix 1 of this Notice and as may be modified or amended as the Authority considers necessary;

“**Confidential Information**” has the meaning given in paragraph 6.5.5;

“**Connected Bidder**” means a Bidder that has a Connection to another Bidder;

“**Connected Bidder Notice**” means the notice published by the Authority in accordance with paragraph 3.1.3;

**“Connected Bidder Statutory Declaration”** means the statutory declaration referred to in paragraph 3.1.2 or paragraph 4.14.2 and in the form specified in Appendix 7 of this Notice;

**“Connected Provisional Successful Bidders”** has the meaning given in paragraph 4.14.3;

**“Connected Provisional Successful Bidder Notice”** means the notice published by the Authority in accordance with paragraph 4.14.3;

**“Connection”** has, for the purpose of this Notice, the following meaning (together with paragraphs 1.5 and 1.6). A company (Company A) is taken to have a Connection to another company (Company B) if -

- (a) Company A holds a material interest in Company B;
- (b) Company B holds a material interest in Company A; or
- (c) a person holds a material interest in both Company A and Company B;

**“Deposit”** means a sum in cash or by a Letter of Credit from a Qualifying Bank;

**“Deposit Bank”** means Bank of China, Hong Kong Branch at Ground Floor, Wu Chung House, 213 Queen’s Road East, Wanchai, Hong Kong (“Bank of China”) or The Hongkong and Shanghai Banking Corporation Limited, Head Office, 1 Queen's Road Central, Hong Kong (“HSBC”);

**“Deposit Interest”** means interest (if any) earned in respect of a Bidder’s Deposit in accordance with paragraphs 2.2.7 to 2.2.9;

**“Eligibility Point”** has the meaning given in paragraph 4.9;

**“Exempt Security Interest”** has the meaning given in the Securities and Futures Ordinance (Cap. 571, Laws of Hong Kong);

**“Frequency Block”** means a frequency block specified in Appendix 2 of this Notice (and Frequency Blocks A1 to A2 and B1 to B9 shall mean the respective blocks of frequency ranges as specified in Appendix 2);



“**Frequency Block Selection Form**” means the form specified in Appendix 8 of this Notice;

“**Government**” means the Government of the Hong Kong Special Administrative Region of the People’s Republic of China;

“**Grant Stage**” means the stage specified in Part 5;

“**Hong Kong**” means the Hong Kong Special Administrative Region of the People’s Republic of China;

“**Hong Kong Dollars**” and “**HK\$**” means the valid currency for the time being of Hong Kong;

“**Insider**” means, in relation to a Bidder, any person to whom Confidential Information is disclosed directly or indirectly by a person -

- (a) who is an officer, employee, agent, adviser or associate of that Bidder;
- (b) who controls, or is controlled by, or is under common control with, that Bidder, or the officer, employee, agent, adviser or associate, partner or co-partner of that person; or
- (c) who is an Insider in relation to that Bidder;

“**Letter of Credit**” means a letter of credit

- (a) in the form specified in Appendix 6 of this Notice for payment of the Deposit,
- (b) in the form specified in Appendix 9 of this Notice for guarantee of payment of the Spectrum Utilization Fees for Frequency Blocks A1 to A2, or
- (c) in the form specified in Appendix 10 of this Notice for guarantee of payment of the Spectrum Utilization Fees for Frequency Blocks B1 to B9,

as the case may be;

“**Licence**” means a unified carrier licence, incorporating the Conditions issued by the Authority under the Ordinance for the establishment or maintenance of a telecommunications network for carrying communications to or from the public in Hong Kong and using a Frequency Block assigned

by the Authority;

“**Licensee**” means a holder of a Licence;

“**Losing Bidder**” has the meaning given in paragraph 4.16.1;

“**Minimum Fee**” means the minimum amount of Spectrum Utilization Fee specified by the Secretary for Commerce and Economic Development and set out in Appendix 2 of this Notice;

“**OFCA**” means the Office of the Communications Authority, the executive arm of the Authority established on 1 April 2012;

“**Ordinance**” means the Telecommunications Ordinance (Cap. 106, Laws of Hong Kong);

“**Penalty**” means a sum which may be forfeited by the Authority under the terms and conditions of this Notice;

“**Performance Bond**” means a performance bond in the form determined by the Authority substantially

- (a) in the form specified in Schedule A to Appendix 1 of this Notice for network and service rollout requirement, which is to be provided to the Authority in accordance with paragraph 5.5.2, paragraph 5.5.3 or paragraph 5.5.4 of this Notice; or
- (b) in the form specified in Schedule B to Appendix 1 of this Notice for payment of Spectrum Utilization Fee by annual instalments, which is to be provided to the Authority in accordance with paragraph 5.2.2 of this Notice;

as the case may be;

“**Prevention of Bribery Ordinance**” means the Prevention of Bribery Ordinance (Cap. 201, Laws of Hong Kong);

“**Provisional Successful Bidder**” has the meaning given in paragraph 3.4.2 or in paragraph 4.13.1, as the case may be;

**“Provisional Successful Bidder Notice”** means the notice published by the Authority in accordance with paragraph 3.4.2 or paragraph 4.14.1, as the case may be;

**“Qualification Stage”** means the stage specified in Part 3;

**“Qualified Bidder”** means a Bidder determined as such in accordance with Part 3;

**“Qualified Bidder Notice”** means the notice published by the Authority in accordance with paragraph 3.3.1;

**“Qualifying Bank”** means an institution holding a full banking licence under the Banking Ordinance which long term issuer rating is, or is higher than -

- (a) one or more of the following -
  - (i) Moody’s A2;
  - (ii) Standard & Poor’s A;
  - (iii) Fitch Ratings’ A; or
- (b) a rating of a body other than a body listed in subparagraph (a) which, in the opinion of the Authority, is equivalent to one or more of the ratings in that subparagraph;

**“Regulation”** means the Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) Regulation (Cap. 106AG, Laws of Hong Kong);

**“Revised Provisional Successful Bidder Notice”** means the notice published by the Authority in accordance with paragraph 4.15.9;

**“Round”** means a period of time specified by the Authority during which Qualified Bidders are entitled to submit a Bid, a Withdrawal or a Waiver in accordance with the procedure set out in Part 4;

**“Round Price”** means an amount of Spectrum Utilization Fee in Hong Kong Dollars specified by the Authority at which Qualified Bidders are invited to offer for a Frequency Block in a Round;

“**Spectrum Cap**” means an amount of -

- (a) 10 MHz for the 850/900 MHz Bands, and
- (b) 50 MHz for the 2.3 GHz Band

being the maximum amount of spectrum among the Frequency Blocks in the respective frequency bands that may be assigned to a Bidder or a group of Connected Bidders;

“**Spectrum Utilization Fee**” means the sum payable in respect of the use of a Frequency Block as determined in accordance with this Notice;

“**Standing Highest Bid**” means, in respect of a Frequency Block, the Valid Bid determined in accordance with paragraph 4.8.1 or paragraph 4.13.1, as the case may be;

“**Standing Highest Bidder**” means, in respect of a Frequency Block, the Qualified Bidder which submitted the Standing Highest Bid;

“**Sub-Auction**” means the procedures specified in paragraphs 4.15.3 to 4.15.8;

“**Successful Bidder**” has the meaning given in paragraph 5.5.1;

“**Successful Bidder Notice**” means the notice published by the Authority in accordance with paragraph 5.5.1;

“**Valid Bid**” has the meaning given in paragraph 4.7.1 or paragraph 4.15.5, as the case may be;

“**Waiver**” should be construed in accordance with paragraphs 4.11.1 to 4.11.4; and

“**Withdrawal**” has the meaning given in paragraph 4.10.1.

## **1.5 Interpretation**

1.5.1 In this Notice, unless the context otherwise requires -

- (a) subject to subparagraph (c), a person has a material interest in relation to a body corporate if the person, directly or indirectly, (alone, jointly or in concert with other person)

- (i) holds or is beneficially entitled to or has the right to acquire or subscribe for 25% or more of the issued share capital of the body corporate; or
  - (ii) possesses or has the right to acquire voting power in respect of 25% or more of the issued share capital of the body corporate; or
  - (iii) controls the body corporate;
  
- (b) any reference to shares should be construed as a reference to the issued share capital excluding any part of that capital that, neither as respects dividends nor as respects capital, carries any right to participate beyond a specified amount in a distribution but including such part of that capital which, in the opinion of the Authority, possesses sufficient characteristics of equity share capital as to make it nearly equivalent to equity share capital;
  
- (c) any reference to a person's holding of shares, or possession of voting power, in a body corporate should be construed as to disregard that holding or possession if or to the extent that -
  - (i) he holds the shares concerned -
    - (aa) as a nominee;
    - (bb) as a custodian (whether under a trust or by a contract); or
    - (cc) under an arrangement pursuant to which he has issued, or is to issue, depository receipts in respect of the shares concerned; or
  - (ii) he is not entitled to exercise, or control the exercise of, voting rights in respect of the shares concerned;
  
- (d) for the purpose of subparagraph (c)(i)(cc), "depository receipt" means a certificate or other record (whether or not in the form of a document) -
  - (i) which is issued by or on behalf of a person who holds shares or who holds evidence of the right to receive shares, or has an interest in shares, in a particular body corporate; and
  - (ii) which evidences or acknowledges that another person is entitled to rights in relation to those shares or shares of the same kind, which should include the right to receive those shares (or evidence of the right to receive those shares) from

the person mentioned in subparagraph (d)(i);

- (e) for the purpose of subparagraph (c)(ii) -
  - (i) a person is not entitled to exercise, or control the exercise of, voting rights in respect of shares if he is bound not to exercise (whether by contract or otherwise) the voting rights, or not to exercise them otherwise than in accordance with the instructions of another; and
  - (ii) voting rights which a person is entitled to exercise or voting rights of which he is entitled to control the exercise only in certain circumstances should be taken into account only when those circumstances have arisen and for so long as those circumstances continue;
  
- (f) a body corporate is controlled by a person if -
  - (i) he has a controlling interest in it;
  - (ii) he has a controlling interest in any body corporate which has a controlling interest in the body corporate; or
  - (iii) although he does not have such an interest in the body corporate, or in any body corporate with a controlling interest in the body corporate, it is reasonable, having regard to all the circumstances, to expect that he will be able, by whatever means and whether directly or indirectly, to achieve the result that the affairs of the body corporate are conducted in accordance with his wishes;

and, for this purpose, a person has a controlling interest in a body corporate if he holds, or is beneficially entitled to, or has a right to acquire or subscribe for, 50 per cent or more of the share capital in the body corporate, or if he possesses, or has a right to acquire, 50 per cent or more of the voting power in it, and a person should be deemed to control a body corporate where that person controls another person which controls that body corporate;

- (g) for the purpose of determining whether a person has a material interest indirectly in a body corporate, the extent of the interest of the person in the body corporate is -
  - (i) where there is one interposed person, the percentage arrived at

- by multiplying the percentage representing the extent of the interest of the person in the interposed person (where the percentage representing the extent of the interest of the person in the interposed person referred to herein exceeds 50 per cent, such percentage should be treated as a percentage of 100 per cent) by the percentage representing the extent of the interest of the interposed person in the body corporate;
- (ii) where there is a series of two or more interposed persons, the percentage arrived at by multiplying the percentage representing the extent of the interest of the person in the first interposed person in the series by -
    - (aa) the percentage representing the extent of the interest of each interposed person (other than the last interposed person) in the series in the next interposed person in the series (where any percentage referred to in this subparagraph (g)(ii)(aa) exceeds 50 per cent, such percentage should, in each case, be treated as a percentage of 100 per cent); and
    - (bb) the percentage representing the extent of the interest of the last interposed person in the series in the body corporate;
  
  - (h) for the purpose of any reference to “material interest” or “control” in this paragraph -
    - (i) a beneficial entitlement to shares, interest in shares or right to acquire or subscribe for shares or right to any voting power should be taken into account whether or not it is a conditional entitlement, interest or right;
    - (ii) notwithstanding subparagraph (h)(i), no account should be taken of an interest to the extent that (if it were an interest in shares) it would be an Exempt Security Interest; and
    - (iii) a conditional entitlement should include the right of a beneficiary under a trust including, without limitation, a discretionary trust unless the relevant Bidder satisfies the Authority that none of the reasons for establishing that discretionary trust is to avoid or circumvent any of the terms and conditions of this Notice;

- (i) for the purposes of subparagraph (h)(ii), an interest in shares should cease to be an Exempt Security Interest and the person holding the interest in shares by way of security (the “lender”) should be taken to have acquired that interest, when -
  - (i) the lender -
    - (aa) becomes entitled to exercise voting rights in respect of the interest in shares held as security as a result of, or following, a default by the person giving the interest in shares as security; and
    - (bb) has evidenced an intention to exercise the voting rights or control their exercise or taken any step to exercise the voting rights or control their exercise; or
  - (ii) the power of sale in respect of the interest in shares held as security becomes exercisable, and the lender or its agent offers the interest in shares held as security, or any part of that interest, for sale;
  
- (j) a “person” includes any individual, body corporate, unincorporated association or body (including, without limitation, a partnership, trust, joint venture or consortium), government, state, agency, organisation or other entity whether or not having separate legal personality and includes that person’s successors in title, permitted assignees and permitted transferees;
  
- (k) any reference in this Notice to a period to be determined in terms of a number of Business Days should be calculated from midnight on the Business Day of notification or expiry of any specified time period, as the case may be, and expire at midnight on the last of the relevant number of Business Days and any reference to “midnight” in relation to a particular day should be read as 11:59 pm on that day;
  
- (l) any reference to an ordinance, whether the word is used by itself or as part of any title to an ordinance, should mean that ordinance for the time being in force as well as any modification or substitution of that ordinance, in whole or in part, and all subsidiary legislation, regulations, directions, guidelines, codes of practice and instruments made under that ordinance and for the time being in force;



- (m) where any word or expression is defined in this Notice, that definition should extend to the grammatical variations and cognate expressions of that word or expression;
- (n) the singular includes the plural and vice versa and words and expressions importing each gender should include the other gender;
- (o) references to this Notice should include references to the Schedules and the Appendices and references to any “paragraph”, “Schedule” or “Appendix” are to paragraph, Schedule or Appendix of this Notice;
- (p) expression of time should be reference to Hong Kong time; and
- (q) the headings do not affect their interpretation.

## **1.6 Circumstances where Connection may be disregarded**

1.6.1 Notwithstanding any other terms and conditions of this Notice, where the Authority determines that, in the context of circumstances which cause or would cause a Bidder to be a Connected Bidder in relation to another Bidder, all of the following conditions are satisfied -

- (a) the Connection is, or would be, of a temporary nature;
- (b) the transaction or event or series of transactions or events which brought about the Connection, as the case may be, was or were not for the purpose of avoiding or circumventing any of the terms and conditions of this Notice relating to Connected Bidders; and
- (c) arrangements satisfactory to the Authority have been made or will be made such that -
  - (i) no Bidder is or will in practice be able to achieve the result that the affairs of another Bidder are conducted in accordance with its wishes;
  - (ii) no person is or will in practice be able to achieve the result that the affairs of two or more Bidders are conducted in accordance with its wishes;
  - (iii) there is no appreciable risk that Confidential Information relating to one Bidder has been obtained or will be obtained by another Bidder; and
  - (iv) there is no appreciable risk that both Confidential Information

relating to one Bidder and Confidential Information relating to another Bidder has been obtained or will be obtained by any person,

the Authority may at any time, if it thinks fit, determine that the Connection should be disregarded for all purposes, or for the purposes as it may determine, under this Notice.

- 1.6.2 A determination by the Authority under paragraph 1.6.1 may be revoked by it at any time in the event of any change of circumstances which it considers to be material to that determination and a Bidder to which that determination relates must inform the Authority immediately after it becomes aware of any change in the circumstances to which the determination relates (without prejudice to the generality of paragraph 6.4.1).
- 1.6.3 Notice of any determination by the Authority under paragraph 1.6.1 and any revocation of a determination under paragraph 1.6.2 will be given to all Bidders.

## **Part 2 – Application Stage**

### **2.1 Application**

- 2.1.1 No person other than a company formed and registered under the Companies Ordinance may submit an Application. A company may submit only one Application.
- 2.1.2 An Application must consist of the following documents duly completed in English language and in accordance with such instructions and accompanied by such documentary proof as may be required or specified therein -
- (a) an Application Form;
  - (b) a Bidder Compliance Certificate; and
  - (c) a Deposit.
- 2.1.3 An Application must be -
- (a) addressed, sealed and enclosed in the manner as may be specified by the Authority; and
  - (b) delivered by hand to Assistant Director (Market and Competition) at the Authority's Office.

- 2.1.4 Subject to paragraph 2.1.5, an Application must be received by the Authority between 9:00 am and 5:30 pm on either of the Application Dates.
- 2.1.5 If a tropical cyclone warning signal number 8 or above, a “black” rainstorm warning signal or “extreme conditions” alert is in force in Hong Kong during any of the times specified in paragraph 2.1.4, Applications must be received by the Authority between 9:00 am and 5:30 pm on the Business Day immediately following the day on which none of the signals or alert remains in force.
- 2.1.6 Subject to a withdrawal of its Application in accordance with paragraph 3.1.4(b), submission of an Application commits a Bidder to -
- (a) if there is no Bidding Stage, acquire at least one Frequency Block;
  - or
  - (b) if there is a Bidding Stage, submit a Valid Bid for at least one Frequency Block in the first Round of the Bidding Stage, at the Minimum Fee, as the case may be.
- 2.1.7 If a Bidder is qualified in accordance with Part 3 of this Notice, but fails to fulfil the requirements mentioned in paragraph 2.1.6, the Authority will disqualify that Bidder from the Auction and forfeit an amount (up to the full amount of that Bidder’s Deposit) by way of Penalty from that Bidder’s Deposit where the Deposit is in cash or make a claim under the Letter of Credit to the extent of the relevant amount where the Deposit is a Letter of Credit.
- 2.1.8 A Bidder and its Insiders are subject to, and obliged to comply with, the terms and conditions of this Notice from the time its Application is received by the Authority.

## **2.2 Deposit**

### **Reference to Deposit**

- 2.2.1 Any reference in this Notice to the Deposit should, unless otherwise stated, be construed as referring to -
- (a) the Deposit which has been paid or delivered, as the case may be, to the Authority by the Bidder; and

- (b) any Deposit Interest that has been credited to a Bidder in accordance with paragraphs 2.2.7 to 2.2.9.

2.2.2 Any reference in this Notice to the Deposit should be construed so as not to include any amount which has been forfeited by way of Penalty.

### **Deposit**

2.2.3 The Deposit must be in such amount as specified in Appendix 3 of this Notice, which will be taken into account by the Authority for the purpose of determining the number of Eligibility Points to be attributed to a Bidder for the first Round of the Bidding Stage. Notwithstanding the Deposit provided by the Bidder, the maximum number of Eligibility Points to be attributed to the Bidder is 6. The Deposit must be payable or delivered, as the case may be, to the Authority in accordance with paragraph 2.2.6.

2.2.4 Where a Bidder provides its Deposit in cash, the Authority may notify that Bidder that its Application is invalid if funds representing that Bidder's Deposit are not cleared by 4:00 pm on the later of the Application Dates.

2.2.5 Where a Bidder provides its Deposit by a Letter of Credit, the Bidder must ensure that the Letter of Credit remains valid and fully effective until the Deposit is returned to that Bidder in accordance with the terms and conditions of this Notice. A Bidder which does not have, or fails to maintain, a valid and fully effective Letter of Credit will not be qualified to participate in the Auction or will be disqualified from the Auction, as the case may be.

### **Method of payment or delivery of Deposit**

2.2.6 Where the Deposit is -

- (a) in cash, it must be payable to the Authority by telegraphic transfer to the Authority's Account at the Deposit Bank and must be accompanied by an identifier for the Bidder which must consist of the registered name of the Bidder; or
- (b) a Letter of Credit, it must be addressed to the Authority and be delivered to the Authority's Office.

### **Deposit Interest**

2.2.7 Where the Deposit is in cash, it will earn interest at the rate available to the

Authority from the Deposit Bank in which the cash is deposited.

2.2.8 Subject to paragraph 2.2.9, where the Deposit is in cash and the Deposit, or part of the Deposit, is returned to a Bidder under any of the terms and conditions of this Notice, then the Deposit, or part of the Deposit, which is returned will include all Deposit Interest as has been earned on that Deposit, or part of that Deposit, from (and including) the date on which it was received by the Authority up to (but excluding) the date on which it is returned.

2.2.9 Where the Deposit or part of the Deposit is forfeited under any of the terms and conditions of this Notice by way of Penalty, any Deposit Interest which has been earned on the forfeited part of the Deposit will form part of the total amount which is forfeited.

### **Penalties**

2.2.10 If a Bidder is notified under any of the terms and conditions of this Notice that all or part of its Deposit is forfeited by way of Penalty, the deduction from that Bidder's Deposit will be deemed to have occurred at the time of that notification by the Authority notwithstanding -

- (a) where the Deposit is in cash, that the sums specified in the notification, and any interest earned or to be earned on the Deposit, remain for a further period of time in the Authority's Account; or
- (b) where the Deposit is a Letter of Credit, that the Authority has not made a claim under the Letter of Credit for the sums specified in the notification.

2.2.11 If a sum which has been forfeited by way of Penalty is re-instated as all or part of the Bidder's Deposit -

- (a) where the Deposit is in cash, the sum (including Deposit Interest on that sum) should be paid into the relevant Authority's Account and should be deemed to be so re-instated from the date of notification of its re-instatement to the Bidder and any interest which has been earned on that sum should also be deemed to be re-instated as part of the Deposit from (and including) that date; and
- (b) where the Deposit is a Letter of Credit, the sum should be paid to the Bidder.

**2.3 Withdrawal of Application**

2.3.1 A Bidder which has submitted an Application is not permitted to withdraw its Application or withdraw from the Auction, other than in accordance with paragraph 3.1.4(b).

**2.4 Acceptance of terms and conditions and Conditions**

2.4.1 A Bidder which has submitted an Application is deemed to have agreed with and accepted the terms and conditions of this Notice and any amendment made to any of the terms and conditions of this Notice.

2.4.2 A Bidder which has submitted an Application is deemed to have agreed with and accepted the Conditions and any amendment made to any of the Conditions by the Authority prior to the grant of a Licence to that Bidder provided that the amendment is made -

- (a) to correct any manifest error;
- (b) to correct any inconsistency; or
- (c) to address circumstances not contemplated by the Authority on or before the date of this Notice but which are nevertheless within the overall purpose of the Conditions, the Ordinance, the Regulation and this Notice.

**Part 3 – Qualification Stage**

**3.1 Announcement of identities of Bidders**

3.1.1 Without prejudice to the determination of the Authority under paragraph 3.2, the Authority will publish a notice (“Bidder Notice”) which will state the identity of each Bidder which has submitted an Application and will specify a date on or before which each Bidder must notify the Authority whether it is a Connected Bidder in relation to another Bidder. The Authority may disclose such information contained in the Applications of the Bidders as it considers necessary for each of the Bidders to assess whether it is a Connected Bidder in relation to another Bidder. For the avoidance of doubt, Bidders mentioned in the Bidder Notice have not been determined as Qualified Bidders.

3.1.2 Each Bidder must notify the Authority whether it is a Connected Bidder in

relation to another Bidder by completing and submitting a Connected Bidder Statutory Declaration on or before the date specified by the Authority in the Bidder Notice.

3.1.3 If the Authority determines that two or more Bidders are Connected Bidders either following a notification to it by a Bidder under paragraph 3.1.2 or as a result of its review of the Applications, the Authority will publish the identities of the Connected Bidders (“Connected Bidder Notice”). The Connected Bidders must, on or before a date specified by the Authority, make all arrangements as may be necessary to satisfy the Authority that they cease to be Connected Bidders in relation to each other, and must jointly submit to the Authority a notification with documentary proof of the arrangements that have been made duly signed by two Authorised Representatives of each of the Connected Bidders.

3.1.4 The arrangements that may be made by the Connected Bidders pursuant to paragraph 3.1.3 may include one of the following -

- (a) reorganise themselves so that they cease to be Connected Bidders;
- (b) withdraw their Applications such that only one of the Connected Bidders remains a Bidder.

3.1.5 If the Connected Bidders elect to reorganise themselves in accordance with paragraph 3.1.4(a), each of them must, by the date specified by the Authority in accordance with paragraph 3.1.3, submit to the Authority a revised Application Form and a revised Bidder Compliance Certificate.

3.1.6 If a Connected Bidder withdraws its Application in accordance with paragraph 3.1.4(b), it will not be permitted to submit a new Application.

3.1.7 If a Bidder fails to satisfy the Authority that it is not a Connected Bidder in relation to another Bidder, the Authority will determine that it is not eligible as a Qualified Bidder.

## **3.2 Determination as a Qualified Bidder**

3.2.1 The Authority will determine whether a Bidder is a Qualified Bidder in accordance with paragraph 3.2.2.

3.2.2 Subject to paragraphs 7.2.1 and 7.8.1, a Bidder will not be determined as a

Qualified Bidder -

- (a) unless the Bidder has submitted an Application in compliance with all the requirements set out in Part 2 of this Notice to the satisfaction of the Authority;
- (b) if there is reasonable ground for the Authority to believe that the Bidder has failed to comply, will not comply, or is not capable of complying with all the undertakings given in the Bidder Compliance Certificate;
- (c) unless the Authority is satisfied that the Bidder is not a Connected Bidder in relation to another Bidder; and
- (d) if the Bidder has withdrawn its Application in accordance with paragraph 3.1.4(b).

**3.3 Notification as a Qualified Bidder**

3.3.1 The Authority will, after making its determination under paragraphs 3.2.1 and 3.2.2, publish a notice (“Qualified Bidder Notice”) which will state the identity of each Bidder which has been determined to be a Qualified Bidder.

3.3.2 Subject to paragraph 3.3.3, on, or as soon as practicable after, publication of the Qualified Bidder Notice, the Authority will return, to each Bidder which has not been determined to be a Qualified Bidder and to each Bidder which has withdrawn its Application pursuant to paragraph 3.1.4(b), that Bidder’s Deposit provided that -

- (a) there is no outstanding investigation being carried out by the Authority against that Bidder in respect of any suspected contravention of the terms and conditions of this Notice; and
- (b) if any amounts have been forfeited by way of Penalty by the Authority in accordance with the terms and conditions of this Notice with respect to that Bidder -
  - (i) where the Deposit is in cash, the Deposit will be returned less the aggregate amount of those Penalties; and
  - (ii) where the Deposit is a Letter of Credit, the Authority will make a claim under the Letter of Credit to the extent of the aggregate amount of those Penalties.

3.3.3 Notwithstanding the return to a Bidder of its Deposit in accordance with paragraph 3.3.2, that Bidder must continue to comply with those terms and conditions of this Notice as are specified by the Authority. If the Authority



does not specify any terms and conditions in accordance with this paragraph, that Bidder will be required to comply with all of the terms and conditions of this Notice as appropriate, including all the undertakings given in the Bidder Compliance Certificate submitted by that Bidder.

### **3.4 Situation where no Bidding Stage will take place**

3.4.1 If there is no Bidder or no Qualified Bidder, or if there is only one Qualified Bidder, the Authority will publish a notice announcing that the Bidding Stage will not take place.

3.4.2 If there is only one Qualified Bidder, the Authority will notify that Qualified Bidder and that Qualified Bidder must, subject to the Spectrum Cap, select in the Frequency Block Selection Form the Frequency Block or Frequency Blocks it wishes to be assigned. The Frequency Block Selection Form must be duly completed in accordance with the instructions specified therein, signed on behalf of the Qualified Bidder by two Authorised Representatives and submitted to the Authority within the period specified by the Authority. A Frequency Block Selection Form will not be approved by the Authority if it is not duly completed in accordance with the instructions specified therein or is otherwise unclear, or if it contains a selection of Frequency Blocks exceeding the Spectrum Cap. The Authority may, at its discretion, request the Qualified Bidder to make such clarification as may reasonably be required if the Frequency Block Selection Form is not duly completed in accordance with the instructions specified therein or is otherwise unclear. Upon approval of the Frequency Block Selection Form by the Authority, the Qualified Bidder will be the Provisional Successful Bidder of the Frequency Block it has selected in the Frequency Block Selection Form and the Spectrum Utilization Fee payable by the Provisional Successful Bidder will be the Minimum Fee for the Frequency Block selected by the Provisional Successful Bidder. The Authority will publish a notice (“Provisional Successful Bidder Notice”) to announce the identity of the Provisional Successful Bidder and the Spectrum Utilization Fee payable for the relevant Frequency Block. Procedures and requirements in relation to the Grant Stage as set out in Part 5 of this Notice will apply to the Provisional Successful Bidder.

3.4.3 If the Qualified Bidder fails to select a Frequency Block by submitting a duly completed Frequency Block Selection Form within the period specified

by the Authority, or fails to make such clarification as required by the Authority in relation to the Frequency Block Selection Form, the Qualified Bidder will not be entitled to assignment of any Frequency Block or the grant of a Licence, and the Authority will forfeit an amount (up to the full amount of the Qualified Bidder's Deposit) by way of Penalty from the Qualified Bidder's Deposit where the Deposit is in cash or make a claim under the Letter of Credit to the extent of the relevant amount where the Deposit is a Letter of Credit.

#### **Part 4 – Bidding Stage**

##### **4.1 Reference to a Bidder**

4.1.1 Any reference to a Bidder in this Part means a Qualified Bidder.

##### **4.2 Purpose and structure of the Bidding Stage**

4.2.1 The purpose of the Bidding Stage is to determine -

- (a) which of the Bidders will become a Provisional Successful Bidder for each Frequency Block; and
- (b) the amount of Spectrum Utilization Fee payable for each Frequency Block.

4.2.2 The Bidding Stage in respect of all Frequency Blocks will be conducted simultaneously and will consist of one or more Rounds in which Bidders may submit Bids for the Frequency Blocks.

##### **4.3 Bidding Stage Notice**

4.3.1 At least two Business Days before the commencement of the Bidding Stage, the Authority will issue to each Bidder a notice ("Bidding Stage Notice"), which will provide details of the date and time when the Bidding Stage will commence.

4.3.2 If the Authority is of the opinion that it is impractical for the Bidding Stage to commence on the date, or at the time, referred to in the Bidding Stage Notice, it may notify each Bidder of a different date or time, as the case may be. If a different date or time is to be notified, the date or time will not be earlier than that originally notified as the relevant date or time.

#### **4.4 Scheduling of Rounds at the Bidding Stage**

- 4.4.1 At the Bidding Stage, Rounds will be scheduled by the Authority at its sole discretion. The Authority may re-schedule the time of a Round as it thinks fit.

#### **4.5 Information to be provided to Bidders prior to each Round**

- 4.5.1 Prior to the start of each Round, the Authority will notify each Bidder of -
- (a) the date on, and the time at, which the Round will start and end,
  - (b) the Round Price for each Frequency Block,
  - (c) the number of Valid Bids, if any, received for each Frequency Block in the immediately preceding Round,
  - (d) the Frequency Block, if any, in respect of which the Bidder is the Standing Highest Bidder,
  - (e) the amount, if any, of the Standing Highest Bid for each Frequency Block,
  - (f) the total number of (remaining) Waivers that may be exercised by the Bidder, and
  - (g) the total number of (remaining) Withdrawals that may be exercised by the Bidder.

For the avoidance of doubt, the Authority may at any time provide additional information to the Bidders as it considers appropriate.

#### **4.6 Submission of Valid Bids at the Bidding Stage**

- 4.6.1 In the first Round, each Bidder must submit to the Authority a Valid Bid for at least one Frequency Block. If a Bidder fails to submit a Valid Bid in the first Round, the Authority will disqualify that Bidder from the Auction and forfeit an amount (up to the full amount of that Bidder's Deposit) by way of Penalty from that Bidder's Deposit where the Deposit is in cash or make a claim under the Letter of Credit to the extent of the relevant amount where the Deposit is a Letter of Credit.
- 4.6.2 In each Round other than the first Round, each Bidder may -
- (a) (i) subject to paragraphs 4.7 and 4.9, elect to submit or not to submit a Valid Bid in respect of any Frequency Block;
  - (ii) subject to paragraphs 4.9 and 4.10, submit a Withdrawal in respect of a Frequency Block for which the Bidder is a Standing Highest Bidder; or
  - (b) subject to paragraphs 4.9 and 4.11, submit a Waiver.

- 4.6.3 For the avoidance of doubt, where a Bidder is a Standing Highest Bidder in respect of a Frequency Block in a Round, it may elect to submit or not to submit a Valid Bid for that Frequency Block in the immediately following Round.

#### **4.7 Valid Bid**

- 4.7.1 A Valid Bid, in relation to each Round, is a Bid -
- (a) subject to paragraph 4.13.1(b), equal to the Round Price specified by the Authority prior to the Round;
  - (b) submitted in accordance with the requirements detailed in paragraph 4.12.1; and
  - (c) that complies with the requirements detailed in paragraph 4.9.2.

#### **4.8 Determination of Standing Highest Bid for each Round**

- 4.8.1 At the end of each Round, the Authority will determine the Standing Highest Bid among the Valid Bids for each Frequency Block as follows -
- (a) if no Valid Bid is received in a Round in respect of a Frequency Block,
    - (i) where there was a Standing Highest Bid in respect of that Frequency Block at the end of the immediately preceding Round, that Standing Highest Bid will remain as the Standing Highest Bid in respect of that Frequency Block (unless that Standing Highest Bid has been subject to a Withdrawal);
    - (ii) where there was no Standing Highest Bid in respect of that Frequency Block at the end of the immediately preceding Round, there will be no Standing Highest Bid in respect of that Frequency Block;
    - (iii) where the Standing Highest Bid in respect of that Frequency Block at the end of the immediately preceding Round has been subject to a Withdrawal, there will be no Standing Highest Bid in respect of that Frequency Block;
  - (b) if only one Valid Bid is received in a Round in respect of a Frequency Block, that Valid Bid will be the Standing Highest Bid for that Frequency Block;
  - (c) if two or more Valid Bids are received in a Round in respect of a Frequency Block, the Authority will determine at random which of them will be the Standing Highest Bid for that Frequency Block.

**4.9 Eligibility Points and Activity Level**

- 4.9.1 One Eligibility Point will be attributed to each Frequency Block in accordance with Appendix 2 of this Notice.
- 4.9.2 The Activity Level of a Bidder in a Round must not exceed the number of Eligibility Points attributed to that Bidder for that Round.
- 4.9.3 For the first Round, the number of Eligibility Points attributed to each Bidder will be determined in accordance with Appendix 3 of this Notice. Notwithstanding the Deposit provided by the Bidder, the maximum number of Eligibility Points to be attributed to the Bidder is 6.
- 4.9.4 For each Round other than the first Round, the number of Eligibility Points attributed to a Bidder will be equal to the Activity Level of the Bidder in the immediately preceding Round as determined in accordance with paragraph 4.9.5, unless the Bidder submits or is deemed to have submitted a Waiver in the immediately preceding Round in which case the number of Eligibility Points attributed to the Bidder will be equal to the Activity Level of the Bidder in the most immediately preceding Round in which the Bidder did not submit or was not deemed to have submitted a Waiver.
- 4.9.5 The Activity Level of a Bidder in a Round will be the aggregate of the number of Eligibility Points attributed to the Frequency Blocks in respect of which the Bidder -
- (a) submits a Valid Bid in that Round; or
  - (b) was the Standing Highest Bidder at the end of the immediately preceding Round (except where the Bidder submits a Valid Bid for that Frequency Block in which case the Eligibility Point(s) is attributed under paragraph 4.9.5(a) or where the Bidder submits a Withdrawal for that Frequency Block in that Round in which case the Eligibility Point is disregarded in accordance with paragraph 4.10.3).

**4.10 Withdrawal**

- 4.10.1 In any Round after the first Round, a Bidder may submit a withdrawal in respect of a Frequency Block (“Withdrawal”) for which the Bidder holds the Standing Highest Bid at the end of the immediately preceding Round.

A Withdrawal must be submitted in accordance with the requirements given in paragraph 4.12.1.

- 4.10.2 In case a Bidder makes a Withdrawal in respect of a Frequency Block in accordance with paragraph 4.10.1, then -
- (a) where one or more Bidders submit Valid Bids in a subsequent Round for that Frequency Block but all the subsequent Valid Bids are lower than that Standing Highest Bid (irrespective of whether the subsequent Valid Bids are also withdrawn), that Bidder is liable to pay the Government the difference between that Standing Highest Bid and the amount of the next subsequent highest Valid Bid (which is in any case lower than that Standing Highest Bid) (irrespective of whether that next subsequent highest Valid Bid is withdrawn or whether it is determined as the Spectrum Utilization Fee), subject to a maximum amount of 30% of that Standing Highest Bid;
  - (b) where no other Bidder submits a Valid Bid in any subsequent Round for that Frequency Block, that Bidder is liable to pay the Government 30% of that Standing Highest Bid.

Without prejudice to any other rights or remedies of the Authority, the Authority may deduct from the Deposit of a Bidder or make a claim under the Letter of Credit submitted by a Bidder, the amount that Bidder is liable under this paragraph.

- 4.10.3 Where, in a Round, a Bidder makes a Withdrawal in respect of a Frequency Block in accordance with paragraph 4.10.1, the Standing Highest Bid which is the subject of the Withdrawal will be disregarded for the purposes of determining the Bidder's Activity Level for that Round.
- 4.10.4 The number of Rounds in which each Bidder may make a Withdrawal is limited to two.

#### **4.11 Waiver**

- 4.11.1 In any Round other than the first Round, a Bidder may submit a Waiver in lieu of taking any action under paragraph 4.6.2(a) provided that -
- (a) Waivers were submitted under this paragraph or were deemed to have been submitted by that Bidder in previous Rounds under paragraph 4.11.2 in less than two Rounds; and

- (b) the number of Eligibility Points attributed to all Standing Highest Bids of the Bidder at the end of the immediately preceding Round is less than the number of Eligibility Points attributed to the Bidder in the Round.

A Waiver must be submitted in accordance with the requirements given in paragraph 4.12.1.

4.11.2 In any Round other than the first Round, where a Bidder fails to take any action under paragraph 4.6.2(a) or submit a Waiver under paragraph 4.11.1, the Bidder is deemed to have submitted a Waiver provided that -

- (a) Waivers were submitted under paragraph 4.11.1 or were deemed to have been submitted by that Bidder in previous Rounds under this paragraph in less than two Rounds; and
- (b) the number of Eligibility Points attributed to all Standing Highest Bids of the Bidder at the end of the immediately preceding Round is less than the number of Eligibility Points attributed to the Bidder in the Round.

4.11.3 Where, in a Round, a Bidder submits a Waiver in accordance with paragraph 4.11.1 or is deemed to have submitted a Waiver in accordance with paragraph 4.11.2, the number of Eligibility Points attributed to that Bidder for the immediately following Round will be the same as the Activity Level of the Bidder in the most immediately preceding Round in which the Bidder did not submit or was not deemed to have submitted a Waiver.

4.11.4 At any time during the Bidding Stage, the Authority may, at its sole discretion, increase the number of Waivers that all Bidders may exercise.

#### **4.12 Method for submitting Valid Bid, Withdrawal or Waiver**

4.12.1 A Valid Bid, a Withdrawal or a Waiver must be -

- (a) submitted by using the communication method specified by the Authority which may be one or more of the following -
  - (i) a web-based software platform,
  - (ii) facsimile transmission,
  - (iii) any other method as the Authority may specify;
- (b) submitted by using the form specified by the Authority for the relevant method of communication which is legible and correctly filled out;

- (c) accompanied by the password or other form of authentication for identifying the Bidder in respect of the submission of a Valid Bid, a Withdrawal or a Waiver (such password or form of authentication will be provided by the Authority prior to the Bidding Stage); and
- (d) received by the Authority within the duration of the Round as specified by the Authority prior to the Round.

4.12.2 Once submitted to the Authority, a Valid Bid, a Withdrawal or a Waiver cannot be amended, substituted or withdrawn, other than in accordance with terms and conditions of this Notice.

#### **4.13 Conclusion of Bidding Stage**

4.13.1 The Bidding Stage will end upon either -

- (a) the completion of a Round in which -
  - (i) no Valid Bid is submitted for any Frequency Block,
  - (ii) no Withdrawal is submitted for any Frequency Block, and
  - (iii) no Waiver is submitted or is deemed to be submitted by any Bidder; or
- (b) the completion of a Round which the Authority has specified to be the final Round and has permitted the Bidders to submit Valid Bids for the Frequency Blocks at any amount at or above the Round Prices; whichever first occurs.

In case of paragraph 4.13.1(a), the Provisional Successful Bidder of a Frequency Block will be the Bidder which has submitted the Standing Highest Bid in respect of that Frequency Block at the end of the Bidding Stage and the amount of the Spectrum Utilization Fee payable for that Frequency Block will be the amount of that Standing Highest Bid.

In case of paragraph 4.13.1(b), the Provisional Successful Bidder of a Frequency Block will, subject to paragraphs 4.13.2 and 4.13.3, be the Bidder which has submitted the highest Valid Bid in respect of that Frequency Block and the amount of the Spectrum Utilization Fee payable for that Frequency Block will be the amount of that highest Valid Bid (which will also become the Standing Highest Bid for that Frequency Block).

4.13.2 Where there is more than one Bidder having submitted the same highest Valid Bid in respect of a Frequency Block in the Round described in



paragraph 4.13.1(b), the Authority will determine at random which of such Bidders will be the Provisional Successful Bidder in respect of that Frequency Block.

4.13.3 In case no Valid Bid is received in respect of a Frequency Block in the Round described in paragraph 4.13.1(b) -

- (a) where there was a Standing Highest Bid in respect of that Frequency Block at the end of the immediately preceding Round, that Standing Highest Bidder will be the Provisional Successful Bidder in respect of that Frequency Block (unless that Standing Highest Bid has been subject to a Withdrawal);
- (b) where there was no Standing Highest Bid in respect of that Frequency Block at the end of the immediately preceding Round, there will be no Provisional Successful Bidder in respect of that Frequency Block;
- (c) where the Standing Highest Bid in respect of that Frequency Block at the end of the immediately preceding Round has been subject to a Withdrawal, there will be no Provisional Successful Bidder in respect of that Frequency Block.

#### **4.14 Provisional Successful Bidder Notice**

4.14.1 Within two Business Days after the end of the Bidding Stage, the Authority will publish a notice (“Provisional Successful Bidder Notice”) to announce

- 
- (a) the identity of the Provisional Successful Bidder of each of the Frequency Blocks; and
- (b) the Spectrum Utilization Fee payable for each of the Frequency Blocks.

4.14.2 Within two Business Days after publication of the Provisional Successful Bidder Notice, each Provisional Successful Bidder must notify the Authority whether it is a Connected Bidder in relation to another Provisional Successful Bidder by completing and submitting the Connected Bidder Statutory Declaration. If a Provisional Successful Bidder fails to submit such notification to the Authority, it will be disqualified and the Authority may at its discretion forfeit an amount (up to the full amount of that Bidder’s Deposit) by way of Penalty from that Bidder’s Deposit.

4.14.3 Within 14 Business Days after publication of the Provisional Successful Bidder Notice, the Authority will publish a notice (“Connected Provisional Successful Bidder Notice”) if it determines, either following a notification to it by a Provisional Successful Bidder under paragraph 4.14.2 or as a result of its review of any information available to it, that two or more Provisional Successful Bidders are Connected Bidders (“Connected Provisional Successful Bidders”) and the total amount of spectrum in each frequency band for which they are Provisional Successful Bidders exceeds the Spectrum Cap.

#### **4.15 Dealing with Connected Bidders after Bidding Stage**

4.15.1 Within five Business Days after publication of the Connected Provisional Successful Bidder Notice, the relevant Connected Provisional Successful Bidders must make all arrangements as may be necessary, so as to satisfy the Authority that they cease to be Connected Provisional Successful Bidders in relation to each other, or that the total amount of spectrum in each frequency band to be assigned to them does not exceed the Spectrum Cap. They must jointly submit to the Authority a notification with documentary proof of the arrangements that have been made duly signed by two Authorised Representatives of each of the Connected Provisional Successful Bidders.

4.15.2 The arrangements that may be made by the Connected Provisional Successful Bidders pursuant to paragraph 4.15.1 may include one of the following -

- (a) reorganise themselves so that they cease to be Connected Bidders;
- (b) reach an agreement as to which of their Standing Highest Bids will be withdrawn so that the total amount of spectrum in each frequency band to be assigned to them does not exceed the Spectrum Cap.

4.15.3 If the Connected Provisional Successful Bidders fail to make any arrangement or submit a joint notification as required under paragraph 4.15.1, the Authority will conduct an auction among such Connected Provisional Successful Bidders (“Sub-Auction”).

4.15.4 The date, the start time, the end time and the location of the Sub-Auction will be notified by the Authority to the relevant Connected Provisional Successful Bidders.

- 4.15.5 In the Sub-Auction, for each relevant frequency band, each Connected Provisional Successful Bidder may submit only one Valid Bid which is a Bid that must consist of any amount at or above the minimum fee of HK\$0 that the Bidder is willing to pay in addition to its Standing Highest Bid (or the aggregate of its Standing Highest Bids) at the end of the Bidding Stage, and must be submitted by using the communication method and the form specified by the Authority.
- 4.15.6 For the avoidance of doubt, where the Connected Provisional Successful Bidder fails to take any action in accordance with paragraph 4.15.5, the amount of Valid Bid that the Bidder wishes to offer in the Sub-Auction is deemed to be HK\$0.
- 4.15.7 Subject to paragraph 4.15.8, for each relevant frequency band, the Connected Provisional Successful Bidder, whose Valid Bid offered in the Sub-Auction and Standing Highest Bid offered at the end of the Bidding Stage produce the highest aggregate amount, will remain as a Provisional Successful Bidder for that frequency band whilst other Connected Provisional Successful Bidders will cease to be Provisional Successful Bidders.
- 4.15.8 Where two or more Connected Provisional Successful Bidders offer the same highest aggregate amount referred to in paragraph 4.15.7, the Authority will determine at random which of them will remain as a Provisional Successful Bidder. In such case, other Connected Provisional Successful Bidders will cease to be Provisional Successful Bidders.
- 4.15.9 After receipt of a notification submitted by the Connected Provisional Successful Bidders under paragraph 4.15.1 or the Sub-Auction conducted in accordance with paragraphs 4.15.3 to 4.15.8, as the case may be, the Authority will publish a notice (“Revised Provisional Successful Bidder Notice”) to announce -
- (a) the arrangement made by the relevant Connected Provisional Successful Bidders, or the result of the Sub-Auction conducted among the relevant Connected Provisional Successful Bidders; and
  - (b) the identities of all Provisional Successful Bidders after the arrangement or the Sub-Auction, as the case may be.

4.15.10 If a Connected Provisional Successful Bidder withdraws its Standing Highest Bid in accordance with paragraph 4.15.2(b) or ceases to be a Provisional Successful Bidder as a result of the Sub-Auction conducted in accordance with paragraphs 4.15.3 to 4.15.8, the Authority may at its discretion forfeit an amount (up to the full amount of that Bidder's Deposit) by way of Penalty from that Bidder's Deposit unless that Connected Provisional Successful Bidder is able to demonstrate to the satisfaction of the Authority that it has become a Connected Bidder in relation to another Provisional Successful Bidder as a result of a change in circumstances which is beyond its control and that it did not have any purpose of circumventing the terms and conditions of this Notice.

4.15.11 If a Provisional Successful Bidder fails to satisfy the Authority that it has made the arrangements in accordance with paragraphs 4.15.1 and 4.15.2 or does not take part in the Sub-Auction conducted in accordance with paragraphs 4.15.3 to 4.15.8, as the case may be, the Authority will disqualify that Provisional Successful Bidder from the Auction and forfeit an amount (up to the full amount of that Bidder's Deposit) by way of Penalty from that Bidder's Deposit where the Deposit is in cash or make a claim under the Letter of Credit to the extent of the relevant amount where the Deposit is a Letter of Credit.

#### **4.16 Return of Deposits to the Losing Bidders**

4.16.1 After publication of the Provisional Successful Bidder Notice or the Revised Provisional Successful Bidder Notice, as the case may be, the Authority will return to a Bidder which is not a Provisional Successful Bidder or ceases to be a Provisional Successful Bidder ("Losing Bidder") that Losing Bidder's Deposit provided -

- (a) that there is no outstanding investigation being carried out by the Authority against that Losing Bidder in respect of any suspected contravention of the terms and conditions of this Notice; and
- (b) that, if any amounts have been forfeited or deducted by the Authority in accordance with the terms and conditions of this Notice with respect to that Losing Bidder,
  - (i) where the Deposit is in cash, the Deposit will be returned less the aggregate amount of the Penalties and the amount deducted by the Authority under paragraph 4.10.2; and

(ii) where the Deposit is a Letter of Credit, the Authority will make a claim under the Letter of Credit to the extent of the aggregate amount of the Penalties and the amount the Losing Bidder is liable under paragraph 4.10.2.

4.16.2 Notwithstanding the return to a Losing Bidder of its Deposit in accordance with paragraph 4.16.1, that Losing Bidder must continue to comply with those terms and conditions of this Notice as are specified by the Authority. If the Authority does not specify any terms and conditions in accordance with this paragraph, that Losing Bidder will be required to comply with all the terms and conditions of this Notice as appropriate, including all the undertakings given in the Bidder Compliance Certificate submitted by that Bidder.

## **Part 5 – Grant Stage**

### **5.1 Notification of any Approval**

5.1.1 Within two Business Days after publication of the Provisional Successful Bidder Notice, each Provisional Successful Bidder must notify the Authority whether it is subject to an Approval, and if so, the details of that Approval.

5.1.2 Where a Provisional Successful Bidder notifies the Authority in accordance with paragraph 5.1.1 that it is not subject to any Approval, it may be entitled to be granted a Licence.

5.1.3 Where a Provisional Successful Bidder notifies the Authority in accordance with paragraph 5.1.1 that it is subject to an Approval, it may not be entitled to a grant of a Licence until it notifies the Authority that it is no longer subject to an Approval.

5.1.4 On notifying the Authority in accordance with paragraph 5.1.3 that it is no longer subject to an Approval, the Provisional Successful Bidder must provide written evidence to the Authority that the Approval has been obtained by the Approval Date, or by the date as specified by the Authority in accordance with paragraph 5.1.6.

- 5.1.5 If a Provisional Successful Bidder does not notify the Authority in accordance with paragraph 5.1.1, the Authority may, at its discretion and without prejudice to the provisions of any law or ordinance and paragraph 6.1.1, forfeit an amount (up to the full amount of that Bidder's Deposit) by way of Penalty from that Bidder's Deposit where the Deposit is in cash or make a claim under the Letter of Credit to the extent of the relevant amount where the Deposit is a Letter of Credit.
- 5.1.6 If a Provisional Successful Bidder that is subject to an Approval fails to obtain that Approval by the Approval Date, the Authority may, if that Provisional Successful Bidder is able to demonstrate to the satisfaction of the Authority that it has used its best endeavours to obtain that Approval or a waiver of that Approval, specify a date by which that Provisional Successful Bidder must obtain the Approval.
- 5.1.7 If a Provisional Successful Bidder fails to obtain an Approval by the Approval Date or the date specified by the Authority under paragraph 5.1.6, the Authority will not assign any Frequency Block or grant a Licence to that Provisional Successful Bidder and will disqualify that Bidder from the Auction and forfeit an amount (up to the full amount of that Bidder's Deposit) by way of Penalty from that Bidder's Deposit where the Deposit is in cash or make a claim under the Letter of Credit to the extent of the relevant amount where the Deposit is a Letter of Credit.

## **5.2 Payment of Spectrum Utilization Fees**

- 5.2.1 A Successful Bidder may choose to pay the Spectrum Utilization Fee in full as a lump sum payment upfront, or annually in 15 instalments with the first instalment equivalent to the lump sum amount divided by 15 and for each subsequent instalment an amount equal to the Spectrum Utilization Fee payable in the immediately preceding instalment increased by 2.5%.
- 5.2.2 In the case of payment by annual instalments, the Successful Bidder or the Licensee, as the case may be, is required to maintain at all times throughout the whole assignment period a rolling Performance Bond to guarantee payment of the Spectrum Utilization Fee payable in the ensuing five years, or the Spectrum Utilization Fee payable for the remaining duration of the assignment term if it is less than five years, in the form of Schedule B to Appendix 1 of this Notice.

### **5.3 Duties of Provisional Successful Bidder**

5.3.1 Within 35 Business Days after publication of the Provisional Successful Bidder Notice, or the Revised Provisional Successful Bidder Notice, as the case may be, the Provisional Successful Bidder of each of the –

- (a) Frequency Blocks A1 to A2 is required to provide to the Authority a Letter of Credit in full amount of the Spectrum Utilization Fee payable by it from a Qualifying Bank to guarantee payment of the Spectrum Utilization Fee on or before 31 March 2026; and
- (b) Frequency Blocks B1 to B9 is required to provide to the Authority a Letter of Credit in full amount of the Spectrum Utilization Fee payable by it from a Qualifying Bank to guarantee payment of the Spectrum Utilization Fee on or before 29 January 2027.

5.3.2 Where a Provisional Successful Bidder fails to comply with the requirements specified in paragraph 5.3.1, the Authority will not assign any Frequency Block or grant a Licence to that Provisional Successful Bidder and will disqualify that Bidder from the Auction and forfeit an amount (up to the full amount of that Bidder's Deposit) by way of Penalty from that Bidder's Deposit where the Deposit is in cash or make a claim under the Letter of Credit to the extent of the relevant amount where the Deposit is a Letter of Credit.

### **5.4 Return of Deposit to Provisional Successful Bidder**

5.4.1 Where the Authority is satisfied that a Provisional Successful Bidder has complied with the requirements specified in paragraph 5.3.1, the Authority will return to that Provisional Successful Bidder its Deposit provided that -

- (a) there is no outstanding investigation being carried out by the Authority against that Provisional Successful Bidder in respect of any suspected contravention of the terms and conditions of this Notice;
- (b) where the Deposit is in cash, the Authority will return the balance of the Deposit after deducting -
  - (i) any amount forfeited by the Authority by way of Penalty under the terms and conditions of this Notice with respect to that Provisional Successful Bidder; and
  - (ii) any amount that Provisional Successful Bidder is liable under

- paragraph 4.10.2; and
- (c) where the Deposit is a Letter of Credit, the Authority will make a claim under the Letter of Credit to the extent of -
    - (i) any amount forfeited by the Authority by way of Penalty under the terms and conditions of this Notice with respect to that Provisional Successful Bidder; and
    - (ii) any amount that Provisional Successful Bidder is liable under paragraph 4.10.2.

The return of the Deposit to Provisional Successful Bidders will be carried out after publication of the Successful Bidder Notice under paragraph 5.5.1.

5.4.2 Notwithstanding the return of the Deposit in accordance with paragraph 5.4.1, that Provisional Successful Bidder or Successful Bidder, as relevant, must continue to comply with those terms and conditions of this Notice as are specified by the Authority. If the Authority does not specify any terms and conditions in accordance with this paragraph, that Provisional Successful Bidder or Successful Bidder, as relevant, will be required to comply with all the terms and conditions of this Notice as appropriate, including all the undertakings given in the Bidder Compliance Certificate submitted by that Provisional Successful Bidder or Successful Bidder, as relevant.

## **5.5 Successful Bidder Notice and grant of Licence**

- 5.5.1 After the later of -
- (a) the date on which a Provisional Successful Bidder has complied with the requirements specified in paragraph 5.3.1, and
  - (b) the date on which the Authority receives notification from the Provisional Successful Bidder that it is not subject to an Approval in accordance with paragraph 5.1.1 or that it is no longer subject to an Approval in accordance with paragraph 5.1.3 together with written evidence provided to the Authority in accordance with paragraph 5.1.4 that the Approval has been obtained by the Approval Date, or by the date as specified by the Authority in accordance with paragraph 5.1.6,
- the Authority will, subject to the compliance by the Provisional Successful Bidder with the terms and conditions of this Notice, determine and publish a notice (“Successful Bidder Notice”) announcing that the Provisional



Successful Bidder becomes a Successful Bidder.

- 5.5.2 For Frequency Block A1, the Authority will grant the Successful Bidder a Licence under which this Frequency Block will be assigned on 1 June 2026, subject to its compliance with the terms and conditions of this Notice, its payment of the Spectrum Utilization Fee in accordance with paragraphs 5.2.1 and 5.2.2, and its provision of a Performance Bond for network and service rollout requirement in accordance with the Conditions on or before 31 March 2026. An incumbent assignee of spectrum in the frequency range of 825.0 – 837.5 MHz paired with 870.0 – 882.5 MHz who has successfully acquired Frequency Block A1 may choose to provide network coverage figures demonstrating to the satisfaction of the Authority on or before 30 September 2025 that its network operating with the spectrum concerned has already fulfilled the 90% minimum population coverage requirement, in lieu of a Performance Bond.
- 5.5.3 For Frequency Block A2, the Authority will grant the Successful Bidder a Licence under which this Frequency Block will be assigned on 1 June 2026, subject to its compliance with the terms and conditions of this Notice, its payment of the Spectrum Utilization Fee in accordance with paragraphs 5.2.1 and 5.2.2, and its provision of a Performance Bond for network and service rollout requirement in accordance with the Conditions on or before 31 March 2026. An incumbent assignee of spectrum in the frequency range of 885.0 – 915.0 MHz paired with 930.0 – 960.0 MHz who has successfully acquired Frequency Block A2 may choose to provide network coverage figures demonstrating to the satisfaction of the Authority on or before 30 September 2025 that its network operating with the spectrum concerned has already fulfilled the 90% minimum population coverage requirement, in lieu of a Performance Bond.
- 5.5.4 For Frequency Blocks B1 to B9, the Authority will grant the Successful Bidder a Licence under which the Frequency Block or Frequency Blocks that Bidder is the Successful Bidder will be assigned on 30 March 2027, subject to its compliance with the terms and conditions of this Notice, its payment of the Spectrum Utilization Fee in accordance with paragraphs 5.2.1 and 5.2.2, and its provision of a Performance Bond for network and service rollout requirement in accordance with the Conditions on or before 29 January 2027. An incumbent assignee of spectrum in the frequency

range of 2300 – 2390 MHz who has successfully acquired any of Frequency Blocks B1 to B9 may choose to provide network coverage figures demonstrating to the satisfaction of the Authority on or before 29 July 2026 that its network operating with the spectrum concerned has already fulfilled the 90% minimum population coverage requirement, in lieu of a Performance Bond.

**5.6 Cancellation, withdrawal or suspension of Licence**

5.6.1 The Authority may cancel, withdraw or suspend a Licence or the assignment of the relevant Frequency Block under the Licence pursuant to Special Condition 47 of the Licence.

**Part 6 – Rules on conduct of Bidders**

**6.1 Breach of Notice**

6.1.1 Each Bidder must comply with all of the terms and conditions of this Notice. Without prejudice to any other rights or remedies of the Authority, if a Bidder breaches one or more of the terms and conditions of this Notice, the Authority may, at its discretion -

- (a) disqualify that Bidder from the Auction by notice to that Bidder; and/or
- (b) forfeit an amount (up to the full amount of a Bidder's Deposit) by way of Penalty from a Bidder's Deposit where the Deposit is in cash or make a claim under the Letter of Credit to the extent of the relevant amount where the Deposit is a Letter of Credit;

if the Authority considers that the disqualification and/or the Penalty are proportionate and reasonable in relation to the breach. For the avoidance of doubt, if any Insider of a Bidder breaches one or more of the terms and conditions of this Notice, that Bidder will be deemed to have breached the terms and conditions of this Notice.

6.1.2 If a Bidder is disqualified during the Bidding Stage -

- (a) that Bidder will no longer be entitled to participate in the Auction but must continue to comply with those terms and conditions of this Notice as are specified by the Authority. If the Authority does not specify any terms and conditions in accordance with this paragraph, the Bidder will be required to comply with all the terms and

conditions of this Notice as appropriate, including all the undertakings given in the Bidder Compliance Certificate submitted by that Bidder;

- (b) that Bidder will, where applicable, cease to be a Standing Highest Bidder in respect of any Frequency Block;
- (c) the Valid Bid or the Valid Bids submitted by that Bidder in the Round immediately preceding the disqualification will be deemed invalid and disregarded; and
- (d) the Authority may re-determine the result of the Round immediately preceding the disqualification as it considers appropriate.

6.1.3 If a Provisional Successful Bidder or a Successful Bidder is disqualified during the Grant Stage -

- (a) that Bidder will not be granted a Licence or assigned a Frequency Block; and
- (b) the position of any other Bidder will not be affected.

#### **Return of Deposit to disqualified Bidder**

6.1.4 If a Bidder is disqualified, the Authority will return that disqualified Bidder's Deposit provided -

- (a) that there is no outstanding investigation being carried out by the Authority against that disqualified Bidder in respect of any suspected contravention of the terms and conditions of this Notice; and
- (b) that if any amounts have been forfeited or deducted by the Authority in accordance with the terms and conditions of this Notice with respect to that disqualified Bidder -
  - (i) where the Deposit is in cash, the Deposit will be returned less the aggregate amount of the Penalties and the amount deducted by the Authority under paragraph 4.10.2; and
  - (ii) where the Deposit is a Letter of Credit, the Authority will make a claim under the Letter of Credit to the extent of the aggregate amount of the Penalties and the amount that disqualified Bidder is liable under paragraph 4.10.2.

6.1.5 Notwithstanding the return to a disqualified Bidder of its Deposit in accordance with paragraph 6.1.4, that disqualified Bidder must continue to comply with those terms and conditions of this Notice as are specified by

the Authority. If the Authority does not specify any terms and conditions in accordance with this paragraph, that disqualified Bidder will be required to comply with all the terms and conditions of this Notice as appropriate, including all the undertakings given in the Bidder Compliance Certificate submitted by that disqualified Bidder.

## **6.2 Participation in Auction**

6.2.1 Each Bidder must participate in the Auction in good faith in accordance with the terms and conditions of this Notice including, without limitation, complying with the detailed provisions relating to bidding in the Auction.

6.2.2 Each Bidder must -

- (a) ensure that its Authorised Representatives are contactable by the Authority at all times for the purposes of the Auction;
- (b) not send any form of communication to the Authority during the Auction which is, in the opinion of the Authority, vexatious;
- (c) not submit more than one form for the purpose of submitting a Bid, a Waiver or a Withdrawal in a Round;
- (d) not submit a Bid, a Waiver or a Withdrawal using a communication method other than that specified by the Authority in accordance with paragraph 4.12.1;
- (e) not destroy or use improperly any equipment or device provided by the Authority for the Auction; and
- (f) not act, without reasonable excuse, in a manner which disrupts the procedure specified in this Notice.

## **6.3 Submission of false or misleading information**

6.3.1 No Bidder should submit to the Authority any information (including, without limitation, in an Application) in connection with the Auction which that Bidder either knows to be false or misleading or which is false or misleading.

## **6.4 Changes and notification to Authority**

6.4.1 Subject to paragraph 7.7.1, if any change occurs which affects the information submitted in a Bidder's Application, that Bidder must immediately notify the Authority in writing, and must on request by the Authority submit within a period specified by the Authority one or more of the following documents -

- (a) a revised Application Form;
- (b) a revised Bidder Compliance Certificate; and
- (c) a revised Connected Bidder Statutory Declaration.

## **6.5 Confidentiality and non-collusion**

### **Confidential Information**

- 6.5.1 A Bidder and its Insiders must not directly or indirectly take steps to obtain or use in any unauthorised way Confidential Information of another Bidder.
- 6.5.2 Subject to paragraph 6.5.3, a Bidder and its Insiders must not directly or indirectly disclose, or cause or permit to disclose, or enter into or attempt to enter into any arrangement, agreement or understanding to disclose, any Confidential Information to any person other than to the Bidder's professional advisers, providers of finance or prospective providers of finance who, in each case, need to know the Confidential Information for the purpose of evaluating, negotiating, advising the Bidder or considering provision of finance to the Bidder in connection with the Auction and will become an Insider of the Bidder.
- 6.5.3 The Bidder must procure that each person to whom disclosure of Confidential Information is made as permitted under paragraphs 6.5.2 and 6.5.4 is made aware (in advance of the relevant disclosure) of the provisions of paragraphs 6.5.1 and 6.5.2 and this paragraph and the Bidder must use its best endeavours to procure that each of those persons adheres to those provisions.
- 6.5.4 Subject to paragraph 6.5.3, a Bidder is not prevented from using or disclosing Confidential Information -
- (a) if the Bidder is required to do so by the law of Hong Kong;
  - (b) if the Bidder is required to do so by the law of any place outside Hong Kong, the Stock Exchange of Hong Kong Limited, the Commission or other governmental or regulatory or supervisory body of competent jurisdiction to which rules and regulations (not having the force of law) the Bidder is subject, provided that the relevant Bidder has received the prior written consent of the Authority; or
  - (c) if it is required to be disclosed to the Authority in accordance with

the terms and conditions of this Notice or otherwise.

- 6.5.5 Confidential Information means, in relation to any Bidder, any information relating to the Auction which has not been made public by the Authority and which, if it were made public or made known to any other Bidder, would be reasonably expected to have an effect on the conduct or strategy of other Bidder or Bidders in the Auction, including without limitation, a Bidder's interest or participation in the Auction, business case, auction strategy and any Bid or offer that the Bidder is willing to make, but excluding -
- (a) information which is in, or which comes into the public domain other than as a breach of any Bidder or its Insider, of the terms and conditions of this Notice; and
  - (b) information provided prior to the later of the Application Dates by a Bidder (or its Insiders) to another Bidder (or its Insiders) for the purpose of enabling the latter to decide whether to participate in the Auction with the Bidder.

**Directors, employees and agents**

- 6.5.6 If any person who is a director, employee or agent of a Bidder or any person who is an Insider in relation to that Bidder, is also a director, employee or agent of another Bidder or an Insider in relation to another Bidder, the first-mentioned Bidder must ensure that the person -
- (a) does not take part in preparing any of the Bidders or their respective Insiders for participating in the Auction;
  - (b) does not pass Confidential Information relating to one Bidder to another Bidder or its Insiders;
  - (c) is not an Authorised Representative of any of the Bidders; and
  - (d) will not take part or participate in the Auction.

**Non-collusion**

- 6.5.7 A Bidder and its Insiders must not -
- (a) co-operate, collaborate, collude or discuss with, or disclose any Confidential Information to, any other Bidder or any of its Insiders for any purpose relating to the Auction, including without limitation, in connection with the Bidder's bidding strategy or with any Bid or offer that the Bidder is willing to make in the Auction;
  - (b) manipulate or attempt to manipulate or make any arrangements to manipulate the Auction in any way with a view to achieving a

particular result or outcome of the Auction.

**Return of information to the Authority**

6.5.8 The Authority reserves the right, at its absolute discretion, to require that all written information provided to the Bidders be returned to the Authority.

**6.6 Prevention of bribery**

6.6.1 If any Bidder or any of its Insiders acts in contravention of the Prevention of Bribery Ordinance insofar as that ordinance applies to the Auction including, without limitation, sections 6, 7 and 12A, that Bidder will be deemed to be in breach of the terms and conditions of this Notice.

**6.7 Duty to abide by undertakings**

6.7.1 Where a Bidder has given any certificate, undertaking, representation, warranty or declaration in accordance with any of the terms and conditions of this Notice, it must comply with that certificate, undertaking and declaration and ensure that each certificate, declaration, representation and warranty remains true and accurate.

**Part 7 – Miscellaneous**

**7.1 Suspension and cancellation**

7.1.1 The Authority may, at any time, by notification to all Bidders, as the case may be,

- (a) amend the date on and the time at which a Round will start or end;
- (b) cancel one or more Rounds in which case the Authority may disregard all the Bids received in the relevant Round or Rounds and re-conduct the relevant Round or Rounds;
- (c) suspend the Auction;
- (d) cancel the Auction, in which case the Authority may disregard all the Bids received in the Auction; or
- (e) re-conduct the Auction.

**7.2 General power of disqualification**

7.2.1 Without prejudice to and in addition to any of the terms and conditions of this Notice, the Authority may at any time disqualify any Bidder from the Auction if that Bidder -

- (a) in its opinion, is not a fit and proper person to hold a Licence; or
- (b) breaches the terms and conditions of this Notice.

**7.3 Civil debt**

7.3.1 Without prejudice to and in addition to any of the terms and conditions of this Notice, any liability arising from the operation of the terms and conditions of this Notice may be recoverable as a civil debt due and payable to the Government.

**7.4 Means of notification by Authority**

7.4.1 If, in accordance with any of the terms and conditions of this Notice, the Authority is required, or wishes to notify a Bidder of any fact or circumstance, it may do so, unless otherwise specified in this Notice, by any means.

**7.5 Means of notification to Authority prior to or after Bidding Stage**

7.5.1 If, in accordance with any of the terms and conditions of this Notice, a Bidder is required, or wishes, to notify the Authority of any fact or circumstance prior to or after the Bidding Stage, such notification must be in writing and must be sent to the Authority by -

- (a) post to the Authority's Office (marked for attention of the Authority);  
or
- (b) fax to the fax number notified to the Bidders for this purpose by the Authority.

Any notification to the Authority must be in the English language.

7.5.2 If a Bidder sends any notification to the Authority and the notification is received after 5:30 pm on a Business Day, it will be deemed to have been received by the Authority at 9:00 am on the immediately following Business Day. If a tropical cyclone warning number 8 or above, a "black" rainstorm warning or "extreme conditions" alert is in force in Hong Kong on any Business Day on which a Bidder sends a notification to the Authority or on any Business Day on which a notification is deemed to have been received by the Authority, it will be deemed to have been received by the Authority on the Business Day immediately following the day on which none of the signals or alert remain in force.



**7.6 Publication and disclosure of information**

7.6.1 Subject to paragraph 7.6.2, the Authority may publish or disclose any information arising out of or in relation to the Auction, whether or not that information originates from a Bidder, in any manner as it thinks fit.

7.6.2 Subject to any other terms and conditions of this Notice, the Authority will not publish or disclose any information which is provided to it by a Bidder which that Bidder has asked it in writing to treat as confidential, if the Authority is of the opinion that the request is reasonable in the interests of the Bidder and not publishing the information would not unfairly prejudice other Bidders or be detrimental to the Auction.

**7.7 Change of Authorised Representatives**

7.7.1 If a Bidder wishes to substitute one or more of its Authorised Representatives notified to the Authority in its Application Form required to be submitted under paragraph 2.1.2, it may do so at any time on notification of the details of that change to the Authority in accordance with paragraph 6.4.1. A substitution made in accordance with this paragraph will take effect on the Business Day immediately following the day on which the Authority receives such notification. That Bidder must on request by the Authority submit within a period specified by the Authority a revised Application Form.

**7.8 Additional information**

7.8.1 The Authority may request from any Bidder such additional information or document as may reasonably be required for its determination as to whether the Bidder is a Qualified Bidder or a Connected Bidder in relation to another Bidder.

7.8.2 On receipt of a request made pursuant to paragraph 7.8.1, a Bidder must use its best endeavours to provide the information or documents within the time specified by the Authority.

7.8.3 If a Bidder fails to comply with paragraph 7.8.2, the Authority may refuse to determine that Bidder as a Qualified Bidder in accordance with paragraphs 3.2.1 to 3.2.2.

7.8.4 Without prejudice and in addition to paragraphs 7.8.1 to 7.8.3, a Bidder must,

in the manner and within the time specified by the Authority, supply such information as the Authority may reasonably require for ensuring the Bidder's compliance with the terms and conditions of this Notice or for investigating whether the Bidder is in compliance with the terms and conditions of this Notice.

**7.9 Interpretation**

7.9.1 The Authority is entitled to interpret conclusively the terms and conditions of this Notice and the validity of any act made pursuant to them in the event of any question, difference of opinion or dispute over these terms and conditions.

**7.10 Modifications to Notice**

7.10.1 The Authority may make modifications to the terms and conditions of this Notice -

- (a) to correct any manifest error;
- (b) to correct any inconsistency; or
- (c) to address circumstances not contemplated by the Authority on or before the date of this Notice but which are nevertheless within the overall purpose of the Ordinance, the Regulation and the terms and conditions of this Notice.

**7.11 Documents submitted to the Authority**

7.11.1 Any document submitted by a Bidder to the Authority in accordance with this Notice is and remains the property of the Authority and the Authority may use the information contained therein in whatever manner and for whatever purpose the Authority deems fit.

**7.12 Powers of Authority to issue licence or assign frequency**

7.12.1 Nothing in this Notice will limit the power of the Authority to issue any licence pursuant to section 7 of the Ordinance, assign any frequency pursuant to section 32H of the Ordinance or otherwise fetter its powers under the Ordinance.

**7.13 Waiver**

7.13.1 Any delay by the Authority in exercising or enforcing any of its powers under this Notice will not constitute a waiver of those powers.

**7.14 Governing law and jurisdiction**

7.14.1 The terms and conditions of this Notice and the relationship between the Authority and each of the Bidders will be governed by, and interpreted in accordance with Hong Kong law.

7.14.2 The courts of Hong Kong are to have exclusive jurisdiction to settle any disputes which may arise in connection with the creation, validity, effect, interpretation or performance of, or the legal relationships established by or otherwise arising in connection with the terms and conditions of this Notice. The submission of an Application will be deemed to constitute an irrevocable submission to the jurisdiction of the courts of Hong Kong.

**APPENDIX 1**  
**Licence**

Licence No. [ ]

**TELECOMMUNICATIONS ORDINANCE  
(Chapter 106)**

**UNIFIED CARRIER LICENCE**

DATE OF ISSUE: [ ]

[Company Name]

.....  
of [Address]

.....  
(the “licensee”) is licensed, subject to the following conditions set out in this licence –

- (a) to provide a public telecommunications network service (the “service”), the scope of which is described in Schedule 1;
- (b) to establish and maintain a telecommunications network (the “network”) described in Schedule 2 to provide the service;
- (c) to possess and use the radiocommunications installations described in Schedule 3 to provide the service; and
- (d) to deal in, import and demonstrate, with a view to sale in the course of trade or business, such apparatus or material for radiocommunications as may be necessary to supply customers of the service.

## GENERAL CONDITIONS

### 1. DEFINITIONS AND INTERPRETATION

- 1.1 In this licence, except as hereinafter provided or unless the context otherwise requires, words or expressions shall have the meanings assigned to them in the Telecommunications Ordinance (Cap. 106) (the “Ordinance”) and, as the case may be, the Interpretation and General Clauses Ordinance (Cap. 1). For the purposes of interpreting this licence, headings and titles shall be disregarded.
- 1.2 This licence shall not be construed as granting an exclusive right to the licensee to provide the service.
- 1.3 This licence replaces any licence or any exemption from licensing, however described, which the Authority may have granted to the licensee for providing the service.
- 1.4 The grant of this licence does not authorize the licensee to do anything which infringes any exclusive licence granted under the Ordinance or any exclusive right to operate and provide telecommunications networks, systems, installations or services granted under any other Ordinance.

### 2. TRANSFER

- 2.1 The licensee may, only with the prior written consent of the Authority and subject to such reasonable conditions as the Authority thinks fit, transfer this licence or any permission, right or benefit under this licence. In giving its consent the Authority will have regard to such matters as it thinks fit including but not limited to the effect which the transfer will have on market structure and the financial and technical competence and viability of the transferee.

### 3. INTERNATIONAL CONVENTIONS

- 3.1 The licensee shall at all times perform and observe the requirements of the

Constitution and Convention of the International Telecommunication Union and the regulations and recommendations annexed to it, as are stated to be applicable to Hong Kong, and any other international convention, agreement, protocol, understanding or the like to the extent that the instruments described in this General Condition 3.1 impose obligations on Hong Kong of which the Authority gives notice to the licensee, except to the extent that the Authority may in writing exempt the licensee from such compliance.

- 3.2 Where the Government has been consulted about or is involved in the preparation or negotiation of an international convention, agreement, protocol or understanding or the like or amendments thereto which are on the subject-matter of telecommunications or which relate to another subject-matter but which the Government anticipates could have a material impact on the provision of the service under this licence, the Government will, where practicable, provide the licensee with a reasonable opportunity to make a submission stating its views on the matter.

#### **4. COMPLIANCE GENERALLY**

- 4.1 The licensee shall comply with the Ordinance, regulations made under the Ordinance, licence conditions or any other instruments which may be issued by the Authority under the Ordinance.

#### **5. PROVISION OF SERVICE**

- 5.1 The licensee shall, subject to Schedule 1 to this licence and any special conditions of this licence relating to the provision of the service, at all times during the validity period of this licence operate, maintain and provide a good, efficient and continuous service in a manner satisfactory to the Authority. The Authority may, on application in writing by the licensee, exempt a part or parts of the service from the requirement of continuous provision.

**6. CUSTOMER CHARTER**

6.1 Unless a waiver in writing is granted by the Authority, the licensee shall prepare a customer charter which sets out the minimum standards of service to the licensee's customers and gives guidance to the employees of the licensee in their relations and dealings with customers.

**7. CONFIDENTIALITY OF CUSTOMER INFORMATION**

7.1 The licensee shall not disclose information of a customer except with the consent of the customer, which form of consent shall be approved by the Authority, except for the prevention or detection of crime or the apprehension or prosecution of offenders or except as may be authorized by or under any law.

7.2 The licensee shall not use information provided by its customers or obtained in the course of provision of service to its customers other than for and in relation to the provision by the licensee of the service.

**8. RECORDS AND PLANS OF NETWORK**

8.1 The licensee shall keep records and plans (including overall network plans and cable route maps) of the telecommunications installation (including radiocommunications installation) and telecommunications nodes and exchanges, if any, provided under this licence and any other details concerning the network as may be reasonably required by the Authority, including but not limited to information from operational support systems, traffic flow information, and database information relating to the manner in which the network treats any communication ("network information").

8.2 As required by the Authority, the licensee shall make the network information available, within reasonable time, to the Authority or to a person authorized in writing by the Authority for inspection for the Authority's own purposes.



## **9. CONTROL OF INTERFERENCE AND OBSTRUCTION**

- 9.1 The licensee shall take reasonable measures to install, maintain and operate the service and the network in such a manner as not to cause any harmful interference or physical obstruction to any lawful telecommunications service, or cause any physical obstruction to the installation, maintenance, operation, adjustment, repair, alteration, removal or replacement of the facilities of any lawful telecommunications or utility service provider.
- 9.2 The licensee shall take reasonable measures to ensure that the customers of the service do not cause harmful interference to lawful telecommunications services or utility services through use of the service.
- 9.3 The Authority may give such reasonable directions as it thinks fit to avoid harmful interference or physical obstruction referred to in General Condition 9.1. The licensee shall comply with the directions.

*10. Repealed in July 2016, as per the Joint Statement of the Secretary and the Authority dated 10 March 2015, and the Telecommunications (Carrier Licences) (Amendment) Regulation 2016 enacted on 1 July 2016.*

## **11. COMPLIANCE**

- 11.1 If the licensee employs any person under contract for the purpose of the service, or for the installation, maintenance or operation of the network (a “contractor”), the licensee shall continue to be responsible for compliance with the conditions of this licence, and the performance thereof, by any contractor.

## **12. REQUIREMENTS OF RADIOCOMMUNICATIONS INSTALLATION**

- 12.1 Each radiocommunications installation operated by or on behalf of the licensee shall be used only at the location and with emissions and at the frequencies and of the classes and characteristics specified in Schedule 3 to

this licence and with such power and aerial characteristics as are specified in that Schedule in relation to the class and characteristics of the emission in use.

12.2 The apparatus comprised in each radiocommunications installation shall at all times comply with such technical standards as may be issued by the Authority.

12.3 The apparatus comprised in a radiocommunications installation shall be of a type approved by the Authority and shall be so designed, constructed, maintained and operated that its use shall not cause any interference to any radiocommunications.

12.4 A radiocommunications installation shall be operated only by the licensee or a person authorized by the licensee. The licensee shall not allow an unauthorized person to have access to the apparatus comprised in a radiocommunications installation. The licensee shall ensure that persons operating each radiocommunications installation shall at all times observe the conditions of this licence.

12.5 The licensee shall not make a change –

- (a) to any radiocommunications installation; or
- (b) of the location of any radiocommunications installation,

without the prior written approval of the Authority.

12.6 If any telecommunications installation (including radiocommunications installation) crosses above or may fall or be blown onto any overhead power wire (including electric lighting and tramway wires) or power apparatus it shall be guarded to the reasonable satisfaction of the owner of the power wire or power apparatus concerned.

### **13. USE OF FREQUENCIES**

13.1 The radiocommunications installation operated by or on behalf of the licensee shall only be operated on such frequencies as the Authority may

assign.

#### **14. SAFETY**

- 14.1 The licensee shall take proper and adequate safety measures for the safeguarding of life and property in connection with all installations, equipment and apparatus operated or used, including safeguarding against exposure to any electrical or radiation hazard emanating from the installations, equipment or apparatus operated or used under this licence.
- 14.2 The licensee shall comply with the safety standards and specifications as may from time to time be prescribed by the Authority and any directions of the Authority in relation to any safety matter.

#### **15. PROHIBITION OF CLAIMS AGAINST GOVERNMENT**

- 15.1 The licensee shall have no claim against the Government in tort or in contract in respect of any disturbance or interruption to any part of the network due to works carried out by or on behalf of the Government which result in disturbance to the network.

#### **16. INDEMNITY**

- 16.1 The licensee shall indemnify the Government against any losses, claims, charges, expenses, actions, damages or demands which the Government incurs or which may be made against the Government as a result of or in relation to the activities of the licensee or any employee, agent or contractor of the licensee in relation to the provision of the service or the installation, maintenance and operation of the network.

#### **17. CONTRAVENTION BEYOND LICENSEE'S CONTROL**

- 17.1 The licensee shall not be liable for any breach of this licence where it is able to demonstrate, to the reasonable satisfaction of the Authority, that the

breach was caused by circumstances beyond its control and that it has taken all reasonable steps open to it to rectify that breach.

17.2 Where the circumstances referred to in General Condition 17.1 are such that there is an outage or interruption in the service affecting a significant number of the licensee's customers for a period of more than 7 days, the licensee shall provide the Authority with a full report in writing detailing the reasons for the breach and indicating when, or if, it will be able to continue to provide the service.

17.3 If the Authority is, after considering a report provided under General Condition 17.2, of the reasonable belief that the licensee would be able to provide the service within a reasonable period of time despite the circumstances outlined in that report, the Authority may direct that the licensee recommence the service within such reasonable period as the Authority may in writing direct. The licensee shall comply with such direction.

## **18. PUBLICATION OF LICENCE**

18.1 The licensee, or the Authority, may at their discretion make the terms and conditions of this licence, including any specific conditions, publicly available in any manner they think fit.

**SPECIAL CONDITIONS****1. COMPLIANCE WITH CODES OF PRACTICE**

- 1.1. The licensee shall comply with such guidelines or codes of practices which may be issued by the Authority as in its opinion are suitable for the purpose of providing practical guidance on any particular aspect of any conditions of this licence.
- 1.2 Without limiting or affecting in any way the licensee's obligations under any other Condition, the licensee shall comply with any code of practice or guideline which may be issued by the Authority from time to time for the purpose of providing practical guidance to the licensee in respect of –
- (a) the provision of satisfactory service;
  - (b) the protection of customer information;
  - (c) the protection and promotion of the interests of consumers of telecommunications goods and services;
  - (d) calling line identification and other calling line identification related services; and
  - (e) correct, efficient and reliable operation of telecommunications.
- 1.3 Before issuing any code of practice or guideline referred to in Special Condition 1.2, the Authority shall carry out such consultation as is reasonable in all the circumstances of the case.
- 1.4 Without limiting the generality of Special Condition 1.2(d), the code of practice or guideline issued under that Special Condition may require the licensee to validate the calling line identification against the authenticated customer in order to prevent fraud and spam.

## 2. PURCHASE OF ASSETS

2.1 If a licensee is (1) in a dominant position (within the meaning defined in section 2 of the Ordinance) in the relevant telecommunications market; or (2) subject to a universal service obligation specified under the Ordinance, the Government may elect to take over the licensee's undertaking and purchase all or part of its assets if any of the following circumstances occur –

- (i) this licence expires;
- (ii) this licence is revoked;
- (iii) the licensee goes into liquidation; or
- (iv) the licensee ceases to carry on business,

provided that if the Government elects to do so, it shall give notice in writing not later than 90 days in advance of the expiry of this licence, or immediately upon revocation of this licence or within a reasonable time of the happening of the events at Special Condition 2.1(iii) or 2.1(iv).

2.2 The selling price shall be agreed between the Government and the licensee on the basis of the fair market value of those assets at the time of acquisition determined on the basis that this licence remains in force and that the network is continuing to be used for the provision of the service. If no agreement can be reached between the Government and the licensee, the matter shall be settled by arbitration in accordance with the provisions of the Arbitration Ordinance (Cap. 609).

2.3 For the purpose of Special Condition 2.1,

- (1) where the licensee is in a dominant position in the relevant telecommunications market, the undertaking and assets of the licensee shall be the relevant undertaking and assets of the licensee in relation to its dominant position in that relevant telecommunications market; and
- (2) where the licensee is subject to a universal service obligation, the undertaking and assets of the licensee shall be the relevant undertaking and assets of the licensee in relation to its operation that is subject to

the universal service obligation.

### **3. REQUIREMENTS FOR INTERCONNECTION**

- 3.1 The licensee shall interconnect its service and network with the services and networks of other unified carriers licensed under the Ordinance and, where directed by the Authority, interconnect its service and network with telecommunications networks and services of a type mentioned in section 36A(3D) of the Ordinance. The licensee shall interconnect its service and network with the services and networks of other interconnecting parties under this Special Condition to ensure any-to-any connectivity, i.e. any customer in any one network can have access to any other customer in any interconnecting network and, where directed by the Authority, to any service offered in any interconnecting network.
- 3.2 The licensee shall use all reasonable endeavours to ensure that interconnection is effected promptly, efficiently and on terms, conditions and at charges which are based on the licensee's reasonable relevant costs attributable to interconnection.
- 3.3 The licensee shall provide facilities and services reasonably necessary for the prompt and efficient interconnection of the service and the network with the telecommunications networks or services of the other entities referred to in Special Condition 3.1. Such facilities and services include –
- (a) carriage services for the delivery of codes, messages or signals or other communication across and between the interconnected networks;
  - (b) those necessary to establish, operate and maintain points of interconnection between the licensee's network and the networks of the other entities, including, without limitation, the provision of sufficient transmission capacity to connect between the licensee's network and networks of the other entities;
  - (c) billing information reasonably required to enable the other entities to bill their customers;

- (d) facilities specified by the Authority pursuant to section 36AA of the Ordinance; and
- (e) ancillary facilities and services required to support the above types of interconnection facilities and services.

#### **4. NUMBERING PLAN AND NUMBER PORTABILITY**

- 4.1 The licensee shall comply with the numbering plan made or approved by the Authority and any directions given by the Authority in respect of the numbering plan.
- 4.2 The licensee shall at the request of the Authority or otherwise consult the Authority about the arrangements for the allocation and reallocation of numbers and codes within the numbering plan.
- 4.3 Where requested by the Authority, the licensee shall prepare and furnish to the Authority proposals for developing, adding to or replacing the numbering plan relating to the service.
- 4.4 The licensee shall, in such manner as the Authority may direct, facilitate the portability of numbers assigned to any customer of any unified carrier licensee, services-based operator, mobile virtual network operator or any other licensee, as the case may be, so that any number so assigned may be used by that customer should it cease to be a customer of any such entity and become a customer of any other unified carrier licensee, services-based operator, mobile virtual network operator or any other licensee, as the case may be.
- 4.5 Directions by the Authority under Special Condition 4.4 include reasonable directions concerning,
  - (a) compliance with Special Condition 4.4 by the licensee at the licensee's own expenses, or by equitably sharing all relevant costs associated with providing portability of numbers as between the licensee, any other unified carrier licensee, services-based operator, mobile virtual



network operator or any other licensee, as the case may be; and

- (b) facilitation of portability of numbers through such technical arrangement (including but not restricted to a centralized database) as may be specified by the Authority, in co-operation with other parties sharing or maintaining the technical arrangement at such costs as may be directed under Special Condition 4.5(a).

4.6 For the purposes of this Special Condition, “portability of numbers” means the function of the network and the service which enables a customer of the service of a unified carrier licensee, services-based operator or mobile virtual network operator to become a customer of another unified carrier licensee, services-based operator or mobile virtual network operator or any other licensee, as the case may be, without changing the number assigned to that customer.

4.7 Notwithstanding the generality of the foregoing, the licensee, where and as directed by the Authority, shall provide Administration Database Hosting Service to other licensees to facilitate the portability of numbers as required under their respective licences. The licensee may impose a reasonable charge to fairly compensate it for providing the Administration Database Hosting Service. The licensee shall endeavour to agree with the other licensee on what amounts to fair compensation for provision of the Administration Database Hosting Service.

4.8 Where the licensee is unable to agree with another licensee pursuant to Special Condition 4.7 on what amounts to fair compensation for the provision of, or the reasonable mode of supply of, the Administration Database Hosting Service, the matter at issue may be referred by either licensee to the Authority for determination. The licensee shall pay to the Authority, as it may reasonably require having regard to the number of parties to the determination, any costs or expenses incurred by the Authority in respect of such a determination or determination process including without limitation staff costs and expenses and the financing of liabilities paid out of the Office of the Communications Authority Trading Fund.

4.9 For the purposes of Special Conditions 4.7 and 4.8,

“administration database” means an off-line database that performs the backup and auditing function for all ported-out and ported-in numbers of unified carrier licensee, services-based operator, mobile virtual network operator or any other licensee, as the case may be, to facilitate the portability of numbers. The database is required to keep the current and historical records of all relevant ported-out and ported-in numbers; and

“Administration Database Hosting Service” means a service offered by the licensee which makes available its administration database for access by another licensee, so that the latter will be able to fulfil the licence obligation under its own licence to facilitate the portability of numbers without the need of setting up its own administration database.

## **5. ACCOUNTING PRACTICES**

5.1 Where directed by the Authority in writing, the licensee shall implement such accounting practices as specified by the Authority. Such accounting practices are to be consistent with generally accepted accounting practices, where applicable, and may include (but are not limited to) accounting practices which allow for the identification of the costs and charges for different services or types or kinds of services.

## **6. REQUIREMENT TO FURNISH INFORMATION TO THE AUTHORITY**

6.1 The licensee shall furnish to the Authority, in such manner and at such times as the Authority may request in writing, such information relating to the business run by the licensee under this licence, including financial, technical, and statistical information, accounts and other records, as the Authority may reasonably require in order to perform its functions under the Ordinance and this licence. Information referred to in this condition includes but is not limited to such information as is listed in Schedule 4.

6.2 Subject to Special Condition 6.3 the Authority may use and disclose information to such persons as the Authority thinks fit.

6.3 Where the Authority proposes to disclose information obtained and the Authority considers that the disclosure would result in the release of information concerning the business or commercial or financial affairs of a licensee which disclosure would or could reasonably be expected to adversely affect the licensee's lawful business or commercial or financial affairs, the Authority will give the licensee a reasonable opportunity to make representations on the proposed disclosure before the Authority makes a final decision whether to disclose the information.

## **7. TARIFFS**

7.1 The licensee shall publish and charge no more than the tariffs for the service operated under this licence. The tariffs shall include the terms, as defined under section 7F(2) of the Ordinance, for the provision of the service.

7.2 Publication of a tariff shall be effected by publication in the website of the licensee on or before the date on which the tariff becomes effective;

7.3 The Authority may by direction in writing, for such period and on such conditions as the Authority may determine, direct that Special Condition 7.2 shall not apply to the licensee.

8. *Removed in August 2020.*

## **9. BILLING AND METERING ACCURACY**

9.1 The licensee shall take all reasonable steps to ensure that any metering equipment and billing system used in connection with the service is accurate and reliable.

9.2 At the written request of the Authority or at regular intervals to be specified by the Authority, the licensee shall conduct tests on its metering equipment and billing system to assess its accuracy, reliability and conformity to the technical standards, if any, specified by the Authority. The licensee shall submit the test result to the Authority within 14 days after the date of the

relevant test or such other longer period as the Authority may determine.

- 9.3 The licensee shall keep such records of any metering equipment and billing system in such form as may be specified by the Authority and shall supply such records to the Authority as soon as reasonably practical following a written request from the Authority.

## **10. PROVISION OF SERVICE**

- 10.1 The licensee shall, subject to Schedule 1 and any special conditions of this licence relating to the provision of the service, provide the service on its published terms and conditions and at the tariff published in accordance with Special Condition 7 (as applicable), on request of a customer whether or not the customer intends the service to be available for its own use or intends to utilize the service to provide a lawful telecommunications service to third parties.
- 10.2 Subject to Schedule 1 and any special conditions relating to the provision of the service, the licensee shall comply with a customer request for the service as tariffed by the licensee in accordance with Special Condition 7 where the service can reasonably be provided by the licensee to the customer utilizing the licensee's network in place at the time of the request.
- 10.3 The licensee shall not unreasonably delay or refuse to provide the service, or impose onerous conditions on the provision of the service, to any customer who owns or operates apparatus of a type which is approved by the Authority and conforms with the technical and performance standards specified in Schedule 3 to this licence. In particular (but without limiting the generality of the foregoing), the licensee shall not discriminate against any customer whose apparatus was acquired other than from the licensee.
- 10.4 The licensee shall seek the prior written consent of the Authority and make proper and appropriate arrangements for the affected customers to the satisfaction of the Authority before ceasing to provide a generation of mobile service.

## 11. DIRECTORY INFORMATION AND DIRECTORY INFORMATION SERVICE

11.1 For the purposes of this Special Condition –

- (a) “directory information” means information obtained by the licensee in the course of the provision of services under this licence concerning or relating to all or any of the name, address, business and telephone numbers of each of its customers; and
- (b) “raw directory information” means the licensee’s directory information held in a basic format for the purpose of Special Conditions 11.6, 11.7 and 11.8 relating to customers other than customers who request that directory information about them not to be disclosed.

11.2 This Special Condition applies only in respect of standard printed directories and other directory databases and services which include all of the names of a licensee’s customers listed in English language in alphabetical order, or in Chinese language in order of the number of strokes, or in such other language in an appropriate order as is kept by the licensee, and does not apply to classified directories where customers are listed by business or trade category or to other business or specialised directories.

11.3 Subject to compliance with the Personal Data (Privacy) Ordinance (Cap. 486), General Condition 7 and any applicable law, the licensee shall –

- (a) where and as directed by the Authority, publish or arrange at least biennially for the publication of directory information in a printed or other form approved by the Authority, relating to customers, other than customers who request not to be included in a directory to be published (“the printed directory”); and
- (b) where and as directed by the Authority, establish, maintain and operate, or arrange for the establishment, maintenance or operation of a telecommunications service whereby customers may, upon request, be provided with directory information other than that of customers who request the information relating to them not to be disclosed (“the

telephonic directory service”).

- 11.4 The printed directory and the telephonic directory service provided under Special Condition 11.3 shall be made available free of charge, unless approved otherwise by the Authority, to all of the licensee’s customers and shall be provided in a manner satisfactory to the Authority.
- 11.5 The licensee is permitted to make commercial arrangements with one or more of the other licensees who have the obligation to provide directory information, to co-operate in the provision jointly by them of either or both of the printed directory and the telephonic directory service which the licensee is required to provide under Special Condition 11.3.
- 11.6 The licensee’s printed directory shall be a unified printed directory and the licensee’s telephonic directory service shall be a unified telephonic directory service and shall utilize a unified directory database, containing directory information as directed by the Authority, except for those customers who request that directory information about them not to be disclosed. Subject to compliance with the Personal Data (Privacy) Ordinance (Cap. 486), General Condition 7 and any applicable law, the licensee shall, as directed by the Authority, provide, and regularly update, raw directory information, for which the licensee will be able to impose a reasonable charge, if applicable, to fairly compensate it for providing the raw directory information. The licensee shall endeavour to agree with each of the other licensees on a reasonable mode of exchange and transmission format for the raw directory information.
- 11.7 Where the licensee is unable to agree with another licensee pursuant to Special Condition 11.6 on what amounts to fair compensation for provision of, or the reasonable mode of exchange and transmission format of, raw directory information, the matter at issue may be referred by either licensee to the Authority for determination. The licensee shall pay to the Authority, as it may require, any costs or expenses incurred by the Authority, including, without limitation, staff costs and expenses, and the financing of liabilities paid out of the Office of the Communications Authority Trading Fund in respect of such a determination or determination process.

- 11.8 Except with the prior written approval of the Authority, the licensee shall

not make use of raw directory information provided by another licensee other than for discharging its obligations under this Special Condition.

11.9 This Special Condition does not apply to the services described in Schedule 7 provided that –

- (a) the licensee (and where appropriate its agents, contractors and resellers) declares such service, in all promoting, marketing or advertising materials concerning such service, as a “Class 2 service” (where the materials are in English text) (or “第二類服務” where the materials are in Chinese text); or
- (b) the licensee complies with such conditions as may be specified by the Authority in a direction that may be issued by the Authority.

## **12. EMERGENCY SERVICE**

12.1 Where the licensee provides the services described in Schedule 7, the licensee shall provide a public emergency service by means of which any member of the public may, at any time and without incurring any charge, by means of compatible apparatus connected to the network of the licensees, communicate as quickly as practicable with the Hong Kong Police Emergency Centre or other entities as directed by the Authority to report an emergency.

12.2 The licensee shall not charge for the use of the public emergency services described in Special Condition 12.1.

12.3 Unless otherwise directed by the Authority, emergency messages sent by a person using compatible apparatus connected to the network of the licensee shall be treated by the licensee on an equal basis irrespective of whether or not such apparatus has been registered as that of a customer of the licensee.

12.4 Where the licensee provides a public emergency service pursuant to Special Condition 12.1, irrespective of whether the customer makes the call with the use of a fixed, mobile or potentially nomadic telecommunications service, the licensee shall in such manner as may be specified by the Authority maintain the location information of the customers at the time the

call is made to the extent technically feasible and practicable and provide the information free of charge to the Police Force, the Fire Services Department and other relevant Government agencies handling the emergency service for the sole purpose of responding to that call and identification of the location of the customer making the call. Where the licensee is providing a potentially nomadic telecommunications service, unless otherwise directed by the Authority, the licensee shall provide a mechanism whereby the customers can update their location information and remind the customers to update their location information whenever they change the location from which the service is used.

- 12.5 Where the licensee provides a Short Message Service, the public emergency service referred to under Special Conditions 12.1, 12.2 and 12.4 shall include the Short Message Service.

### **13. RECORDS AND PLANS OF THE NETWORK**

- 13.1 The Authority may disclose the network information in accordance with section 7I(3) of the Ordinance.
- 13.2 The licensee shall, at the reasonable request of any other licensee under the Ordinance if so authorized by the Authority, give reasonable access to its network information for the facilitation of network planning, maintenance and reconfiguration required for the purposes of Special Condition 3 and section 36AA of the Ordinance. The licensee shall be permitted to charge the requesting party so as to be fairly compensated for the reasonable relevant costs incurred in the provision of such network information.
- 13.3 Where the licensee and any other licensee that has requested access to the network information in accordance with Special Condition 13.2 are unable to agree what amounts to reasonable access (including confidentiality requirements and fair compensation for the reasonable relevant costs incurred) or a reasonable request, the matter at issue may be referred by either the licensee or the other licensee to the Authority for determination. The licensee shall pay to the Authority, as it may require, any costs or expenses incurred by the Authority, including, without limitation, staff costs and expenses, and the financing of liabilities paid out of the Office of the



Communications Authority Trading Fund in respect of such a determination or determination process.

#### **14. NETWORK LOCATION**

- 14.1 The licensee shall keep accurate records of the location of the network installed under, in, over or upon any land.
- 14.2 The licensee shall mark or otherwise identify every wire laid or telecommunications installation installed by the licensee or any contractor on its behalf throughout the course of the wire, or at the location of the installation, so as to distinguish it from any other wire or telecommunications installation laid or installed in Hong Kong.
- 14.3 The licensee shall provide, at such intervals as the Authority may determine, distinguishable surface markers of the underground position of the network.

#### **15. CHANGES TO THE NETWORK**

- 15.1 For the purposes of this licence, a change in the network is a material change where the implementation of the change would result in the network no longer being in compliance with any relevant technical standard which the Authority has power to issue.
- 15.2 The licensee shall notify the Authority of any proposals for material changes to the network and provide it with such information as the Authority reasonably requires.
- 15.3 The licensee shall not, without the prior consent in writing of the Authority, make any material changes which might reasonably be anticipated by the licensee to affect –
- (a) any telecommunications service or installation connected to the network;
  - (b) a person producing or supplying telecommunications apparatus for

connection to the network;

- (c) a licensee under the Ordinance;
- (d) a licensee under the Broadcasting Ordinance (Cap. 562); or
- (e) a customer or a consumer of goods and services provided by any person or entity,

if the change is in the opinion of the Authority likely to require modifications or replacements to, or cessation in the production or supply of any of the telecommunications apparatus involved, or if the proposed alteration would require substantial network reconfiguration or rerouting.

- 15.4 The licensee shall prepare and publish, after consultation with the Authority, its procedures for consulting with and giving notice to persons likely to be affected materially by changes to its network which are required to be notified in accordance with Special Condition 15.2 and any other changes required to be notified pursuant to any technical standard which the Authority has power to issue. Subject to approval of the Authority, the notification procedures to each of the classes of persons likely to be affected under Special Condition 15.3 may differ having regard to the practicality and costs of notifying them.

## **16. REQUIREMENTS FOR ROAD OPENING**

- 16.1 The licensee shall co-ordinate and co-operate with any other unified carrier licensee under the Ordinance and any other authorized person in respect of road openings and shall, after being consulted by the Authority, comply with any guidelines issued by the Authority.

*17 – 20. Removed as per the Joint Statement of the Secretary and the Authority dated 10 March 2015.*

**21. WITHDRAWAL AND RETURN OF FREQUENCIES**

- 21.1 Without prejudice to the generality of section 32H of the Ordinance, the Authority may by notice in writing withdraw any frequency previously assigned to the licensee if in the opinion of the Authority the licensee is not making efficient use of that frequency or in exceptional circumstances including where the public interest or international obligations of the Government so require, there is a serious breach of spectrum assignment conditions or serious interference between legitimate spectrum users has to be resolved or minimised.
- 21.2 The licensee may, subject to prior consent of and conditions specified by the Authority, return any frequency previously assigned to it.

**22. UNIVERSAL SERVICE CONTRIBUTION**

- 22.1 Where directed by the Authority, the licensee shall pay to one or more unified carrier licensees or other licensees with a universal service obligation, as the case may be, its relevant share of the universal service contribution to assist those licensees to meet their universal service obligations, if any.
- 22.2 Any universal service contribution shall be subject to periodic review by the Authority as to description and quantum and the licensee shall pay its relevant share of such universal service contribution as the Authority may direct following a review. On the completion of a periodic review, the Authority may supply the licensee such information as the Authority is reasonably able to supply, and subject to any duty of confidentiality, as to the basis on which the universal service contribution is calculated.
- 22.3 For the purpose of Special Condition 22, the following definitions shall apply –
- (a) Universal service contribution is that sum calculated in accordance with a formula adopted periodically by the Authority, to ensure that any licensee with a universal service obligation (referred to as “universal service provider” in this Special Condition), receives a fair contribution from other licensees as specified by the Authority for

serving customers with basic service whom would otherwise not be served because it is not economically viable to do so but who are required to be served under the universal service obligation.

- (b) Universal service obligation is the obligation by a licensee to provide, maintain and operate the relevant network in such manner as to ensure that a good, efficient and continuous basic service is reasonably available, subject to the Ordinance and the conditions of its licence, and to provide that basic service in such manner.

### **23. CIRCUMSTANCES OUTSIDE LICENSEE'S CONTROL**

23.1 For the avoidance of doubt, General Condition 17.1 of this licence shall apply to these special conditions and the Authority may at its discretion, and on such conditions as it thinks fit, extend any time period within which the obligations of the licensee under these special conditions may be met.

23.2 In exercising its discretion under Special Condition 23.1 with respect to any of the special conditions of this licence, the Authority shall take into account including, without limitation, whether circumstances are such that it would be unreasonable to require compliance by the licensee with the relevant special condition.

### **24. INSURANCE**

24.1 Throughout the currency of this licence, the licensee shall have and maintain a valid insurance policy with a reputable insurance company to cover its third party liabilities in respect of personal injury, death and damage to property, arising out of or in connection with the installation, maintenance and operation of the network or provision of the service. The amount of insurance shall be at least HK\$10,000,000 per occurrence or such sum as the Authority may notify in writing in future.

### **25. USE OF PUBLIC FACILITIES FOR PROVISION OF SERVICES**

25.1 Without limiting or affecting in any way the licensee's obligations under Annex B

any other condition of this licence, the licensee shall comply with any guidelines or codes of practice which may be issued by the Authority from time to time for the purpose of providing practical guidance to the licensee in respect of the use of Government facilities, facilities on Government property and unleased Government land and other facilities serving the general public for the provision of services under this licence.

## **26. LOCATION SERVICES**

26.1 Without affecting the generality of General Condition 7, “information of a customer” referred to in General Condition 7.1 and “information provided by its customers or obtained in the course of provision of service to its customers” referred to in General Condition 7.2 shall include any information concerning the locations of customers obtained in the course of provision of the service.

26.2 Where the licensee provides services to customers using the information concerning the locations of the customers obtained in the course of provision of the service, the licensee shall ensure that –

- (a) no such services are provided without the prior consent of the relevant customers; and
- (b) the customers are capable of suspending the use of the information from time to time.

## **27. PROVISION OF SERVICE TO SUSPECTED STOLEN RADIOCOMMUNICATIONS APPARATUS**

27.1 The licensee shall, where directed by the Authority, refuse to provide the service to any person who possesses or uses a radiocommunications apparatus which is stolen or suspected stolen goods.

**28. BACKUP POWER SUPPLY**

- 28.1 The licensee shall conform to any guideline or code of practice issued by the Authority in respect of the provision of backup power supply to the service.
- 28.2 Unless there is backup power supply available in such manner as may be specified by the Authority to maintain continuity of the service without any deterioration in quality of the service during interruption of mains power supply on the customer's premises, to the network, or to any system or equipment delivering the service to the customer, the licensee shall not provide the service to users whose "lifeline devices" are connected to the service.
- 28.3 Where no backup power supply is available in such manner as described in Special Condition 28.2, the licensee is deemed to have complied with Special Condition 28.2 if –
- (a) the customers have, before or upon subscription of service, confirmed that the service will not be used by lifeline users or connected with lifeline devices; and
  - (b) the licensee has affixed a label to the wall socket panel or any equipment installed on the customers' premises or taken other reasonable steps to remind the customers that the service is not suitable for connection to lifeline devices.
- 28.4 In this Special Condition, a "lifeline device" means a medical alarm or any other device for an elderly, infirm or invalid to summon assistance in the event of an emergency without having to dial manually the telephone number of the emergency service.

**29. PAYMENT OF SPECTRUM UTILIZATION FEE**

- 29.1 The licensee shall pay spectrum utilization fees for spectrum assigned to the licensee as designated by the Authority by order and at such level or according to the method of determining the spectrum utilization fees as

prescribed by the Secretary by regulation. The licensee shall pay the spectrum utilization fees to the Authority during the period while this licence remains in force. If the licensee fails to make the concerned payment when due, the Authority may charge interest on any overdue amount from the date on which the relevant amount is due until the date of actual payment (both days inclusive) at a rate determined by the Authority to compensate it for the payment being overdue.

29.2 Subject to Special Condition 29.1, the licensee shall pay the following Spectrum Utilization Fees in accordance with Schedule 9 *[Note: This SC will be applicable to the spectrum assignee who opts for payment of the Spectrum Utilization Fee by instalment.]* –

([X<sub>n</sub>]) Spectrum Utilization Fee for frequencies assigned as specified in paragraph [X<sub>n</sub>] of Schedule 3. *[Note: one separate paragraph for each frequency band as specified in Schedule 3.]*

[AND/OR]

29.[2/3] On the date of issue of this licence, the licensee shall have paid the Spectrum Utilization Fee[s] for use of the frequencies specified in paragraph[s] X<sub>1</sub>, ... and X<sub>n</sub> of Schedule 3 as designated by the Authority to be subject to the Spectrum Utilization Fees and assigned to the licensee, at such level as determined by auction or prescribed by the Secretary under the Ordinance. *[Note: This SC will be applicable to the spectrum assignee who opts for payment of the Spectrum Utilization Fee in lump sum. If a licensee chooses to pay Spectrum Utilization Fees for all bands acquired in lump sum, this should be referred as 29.2, being alternative to SC 29.2. It will be 29.3 only when licensee chooses to pay Spectrum Utilization Fees for some bands in lump sum and for some other bands by instalments.]*

### **30. PROVISION OF INFORMATION TO CUSTOMERS**

30.1 Without prejudice to the other terms and conditions of this licence, the licensee shall provide or make available the following information to the customers when the services are offered –

- (a) Name of the licensee;
- (b) Licence number of the licensee under this licence;
- (c) Customer service hotline number(s);
- (d) Where applicable, the access code(s) or number(s) (including any access password) used for obtaining the services;
- (e) Instructions on how to access the services;
- (f) The tariffs under which the services are offered; and
- (g) The duration or validity period of the services offered.

### **31. ROLLOUT OF NETWORK**

- 31.1 Save with the prior approval of the Authority in writing, the licensee shall comply with the network and service rollout requirement described in Schedule 8.
- 31.2 The licensee shall provide such information in such manner and at such times as the Authority may require to demonstrate its compliance with Special Condition 31.1.

*[Note: SC 31A is applicable only to the spectrum assignee who is required to provide performance bond for guaranteeing compliance with network and service rollout requirement.]*

### **31A. PERFORMANCE BOND(S) FOR FREQUENCIES ASSIGNED AS SPECIFIED IN PARAGRAPH[S] X<sub>1</sub>[, ... AND X<sub>n</sub>] OF SCHEDULE 3 FOR THE NETWORK AND SERVICE ROLLOUT REQUIREMENT**

- 31A.1 On the date of issue of this licence, the licensee shall have provided to the Authority (a) duly issued performance bond(s), each for the frequencies assigned in each of paragraph[s] X<sub>1</sub>[, ... and X<sub>n</sub>] of Schedule 3, where



applicable, in favour of the Government in Hong Kong dollars in the amount, on the Milestone and with the Deadline for Compliance stipulated in the Annexe to the performance bond appearing in Schedule [A].

31A.2 The performance bond(s) to be submitted pursuant to Special Condition 31A.1 shall be in the form appearing in Schedule [A] with only such amendments thereto as may previously have been agreed in writing by the Authority.

31A.3 The performance bond(s) to be submitted pursuant to Special Condition 31A.1 shall be issued by a Qualifying Bank or other surety approved in writing by the Authority. If the licensee wishes to change to a different Qualifying Bank or another surety, the licensee shall seek the prior written approval of the Authority. For the purposes of Special Condition 31A.3, “Qualifying Bank” means an institution holding a full banking licence under the Banking Ordinance (Cap. 155) whose long term issuer rating is, or is higher than:

(a) one or more of the following:

- (i) Moody’s A2;
- (ii) Standard & Poor’s A; or
- (iii) Fitch Ratings’ A;

OR

(b) a rating of a body other than a body listed in paragraph (a) which, in the opinion of the Authority, is equivalent to one or more of the ratings listed in that paragraph.

31A.4 Notwithstanding any other conditions of this licence:

(a) upon failure by the licensee to provide or maintain any performance bond in accordance with the foregoing provisions of this condition, the Authority may cancel or revoke this licence notwithstanding that the licensee may have embarked on its performance;

(b) any rights of or claim by the Government under the performance bond(s) submitted by the licensee pursuant to this condition, including any replacement thereof, shall be without prejudice to the other rights of the Authority under this licence and of the Authority, the Chief Executive in Council and the Chief Executive under the laws, regulations, guidelines and codes of practice affecting telecommunications in Hong Kong from time to time.

31A.5 The licensee shall upon demand by the Authority in writing submit proof in a form satisfactory to the Authority by a date specified by the Authority that it has complied with the Milestone by the Deadline for Compliance as specified in the Annexe to the performance bond shown in Schedule [A]. In the event the licensee fails to comply with the Milestone by the Deadline for Compliance as specified in the Annexe to the performance bond, the Government may in writing demand the Qualifying Bank or other surety to satisfy and discharge the bonded sum and any other sums as specified in the performance bond.

31A.6 All references to “Government” in Special Condition 31A shall be construed as the Government of the Hong Kong Special Administrative Region as represented by the Office of the Communications Authority.

31A.7 For avoidance of doubt, the liability under any performance bond submitted pursuant to Special Condition 31A shall not be prejudiced, affected, discharged, impaired or diminished by any performance or enforcement of or under any other performance bond(s) submitted pursuant to Special Conditions 31A and 31B.

*[Note: SC 31B is applicable only to the spectrum assignee who opts for payment of the Spectrum Utilization Fee by instalment.]*

**31B. PERFORMANCE BOND(S) FOR THE FREQUENCIES SPECIFIED IN PARAGRAPH[S] X<sub>1</sub>[, ... AND X<sub>n</sub>] OF SCHEDULE 3 FOR THE PAYMENT OF SPECTRUM UTILIZATION FEE**

31B.1 On the date of the assignment of the frequencies specified in [each of] paragraph[s] X<sub>1</sub>[, ... and X<sub>n</sub>] of Schedule 3, the licensee shall have provided to the Authority duly issued performance bond(s) in favour of the

Government in Hong Kong dollars in respect of the Relevant Amount of the Spectrum Utilization Fee.

31B.2 The licensee shall at all times when any of the Spectrum Utilization Fee remain payable in accordance with Special Condition[s] 29.2(x1)[, ... and 29.2(x<sub>n</sub>)] maintain in full force a five-year rolling performance bond for an aggregate amount equal to the Relevant Amount for the frequencies specified in [each of] paragraph[s] X<sub>1</sub>[, ... and X<sub>n</sub>] of Schedule 3. For the purpose of this Special Condition, “Relevant Amount” means the aggregate of the next 5 instalments of the relevant Spectrum Utilization Fee payable by the licensee (or where there are less than 5 remaining instalments of the Spectrum Utilization Fee, the total amount of all the remaining instalments). The licensee shall provide to the Authority the relevant performance bond on or before each of the anniversary of the assignment of the frequencies.

31B.3 The performance bonds pursuant to Special Conditions 31B.1 and 31B.2 shall be in the form appearing in Schedule [B] with only such amendments thereto as may previously have been agreed in writing by the Authority.

31B.4 The performance bonds to be submitted pursuant to Special Conditions 31B.1 and 31B.2 shall be issued by a Qualifying Bank or other surety approved in writing by the Authority. If the licensee wishes to change to a different Qualifying Bank or another surety, the licensee shall seek the prior written approval of the Authority. For the purposes of Special Condition 31B.4, “Qualifying Bank” means an institution holding a full banking licence under the Banking Ordinance (Cap. 155) whose long term issuer rating is, or is higher than:

(a) one or more of the following:

- (i) Moody’s A2;
- (ii) Standard & Poor’s A; or
- (iii) Fitch Ratings’ A;

OR

- (b) a rating of a body other than a body listed in paragraph (a) which, in the opinion of the Authority, is equivalent to one or more of the ratings listed in that paragraph.

31B.5 Notwithstanding any other conditions of this licence:

- (a) upon failure by the licensee to provide or maintain any performance bond in accordance with the foregoing provisions of this condition, the Authority may cancel or revoke this licence notwithstanding that the licensee may have embarked on its performance;
- (b) any rights of or claim by the Government under the performance bond(s) submitted by the licensee pursuant to this condition, including any replacement thereof, shall be without prejudice to the other rights of the Authority under this licence and of the Authority, the Chief Executive in Council and the Chief Executive under the laws, regulations, guidelines and codes of practice affecting telecommunications in Hong Kong from time to time.

31B.6 All references to “Government” in Special Condition 31B shall be construed as the Government of the Hong Kong Special Administrative Region as represented by the Office of the Communications Authority.

31B.7 For the avoidance of doubt, the liability under any performance bond submitted pursuant to Special Condition 31B shall not be prejudiced, affected, discharged, impaired or diminished by any performance or enforcement of or under any other performance bond(s) submitted pursuant to Special Conditions 31A and 31B.

31B.8 The licensee shall maintain the performance bond(s) in accordance with this Special Condition notwithstanding that the period of validity of this licence has expired if any of the Spectrum Utilization Fees remain payable but unpaid in accordance with Special Condition 29.2.

## **32. DISPOSAL OF ASSETS**

32.1 If a licensee is (1) in a dominant position (within the meaning defined in

section 2 of the Ordinance) in the relevant telecommunications market; or (2) subject to a universal service obligation specified under the Ordinance; or (3) required to pay spectrum utilization fee as prescribed under the Ordinance for the provision of mobile or wireless carrier services under this licence, unless with the prior written consent of the Authority (which consent shall not be unreasonably withheld or delayed), the licensee shall not during the validity period of this licence dispose or agree to dispose of any interest (as determined in accordance with Special Condition 32.2) in the assets or undertaking of the licensee which, cumulatively with the value of any and all disposals or agreements to dispose of interests in those assets or undertaking prior to the disposal or agreement in question and after the date of issue of this licence, exceeds 15% as at the date of the disposal or agreement in question of the net asset value of the licensee (as determined in accordance with Special Condition 32.2).

- 32.2 The value of any interest or undertaking, and the net asset value, of the licensee shall be determined by a certified public accountant (practising) (being one who has the qualifications as prescribed under the Professional Accountants Ordinance (Cap. 50)) as may be nominated, or whose appointment by the licensee is agreed in writing, by the Authority.
- 32.3 In the event of any dispute between the Authority and the licensee as to the value of the interest, undertaking or the net asset value referred to in Special Condition 32.1, the matter shall be settled by arbitration in accordance with the provisions of the Arbitration Ordinance (Cap. 609).
- 32.4 For the purpose of Special Condition 32.1,
- (1) where the licensee is in a dominant position in the relevant telecommunications market, the interest in the assets or undertaking of the licensee shall be the relevant interest in the assets or undertaking of the licensee in relation to its dominant position in that relevant telecommunications market;
  - (2) where the licensee is subject to a universal service obligation, the interest in the assets or undertaking of the licensee shall be the relevant interest in the assets or undertaking of the licensee in relation to its operation that is subject to the universal service obligation; and

- (3) where the licensee is required to pay spectrum utilization fee as prescribed under the Ordinance for the provision of mobile or wireless carrier services under this licence, the interest in the assets or undertaking of the licensee shall be the relevant interest in the assets or undertaking of the licensee in relation to its operation that is subject to the payment of spectrum utilization fee for the provision of mobile or wireless carrier services under this licence.

### **33. ACCESS TO BUILDINGS**

- 33.1 The licensee shall not enter into any agreement, arrangement or understanding, whether legally enforceable or not, with any person, or receive any unfair advantage from a business carried on by it or any other person (whether associated or affiliated with it or not), which, in the opinion of the Authority, has or is likely to have the purpose or effect of preventing or restricting fair and non-discriminatory access to any buildings for the installation, operation or maintenance of any cables, equipment or network for the provision of service similar to the service by other operators licensed by the Authority.
- 33.2 The licensee shall comply with any guidelines or codes of practice that may from time to time be issued by the Authority for the facilitation and coordination of fair, non-discriminatory and orderly access to buildings for the installation, operation or maintenance of any cables, equipment or network for the provision of the service and other services similar to the service by other operators licensed by the Authority.
- 33.3 Without prejudice and in addition to section 18 of the Ordinance and General Condition 9, the licensee shall not, in providing, establishing, operating, adjusting, altering, replacing, removing or maintaining any telecommunications line or telecommunications installation in, over or upon any land for the purposes of this licence, obstruct, interfere with, or cause or permit damage to, any other telecommunications line or telecommunications installation, or means of telecommunications or telecommunications service or any gas or water pipe or main or any drain or sewer or any tube, casing, duct, wire or cable for the carriage of electrical

current.

### **34. CHANNELS WITHIN IN-BUILDING COAXIAL CABLE DISTRIBUTION SYSTEMS**

- 34.1 Subject to Special Conditions 34.2, 34.3, 34.4, 34.5, 34.6 and 34.7, the service operated over the in-building coaxial cable distribution systems (“IBCCDS”) of the network shall use only such channels as may from time to time be assigned by the Authority and for such purposes and under such conditions as may be specified by the Authority by notice in writing to the licensee.
- 34.2 The licensee shall accept that regulation of the use of channels within the IBCCDS of the network by the Authority is necessary because of the limitation in the number of channels available and the existence of competing demand for the channels.
- 34.3 The Authority may at any time, by giving not less than 12 months’ notice in writing to the licensee, require it upon such date as may be specified in the notice to cease using any channel previously assigned to it to carry the service, if having given the licensee sufficient opportunities to make representations, the Authority forms the opinion that the licensee is not making efficient use of that channel.
- 34.4 The Authority may at any time, by giving not less than 12 months’ notice in writing to the licensee, require it upon such date as may be specified in the notice to vary the purposes for which and the conditions under which the channels are to be used.
- 34.5 The Authority may at any time, by giving not less than 12 months’ notice in writing to the licensee, require it upon such date as may be specified in the notice to cease using any channel previously assigned to it by the Authority to carry the service and to use such new channel at its own expenses as the Authority may assign.
- 34.6 The licensee shall comply with any notice that may from time to time be issued by the Authority under Special Condition 34.

- 34.7 The licensee shall comply with the guidelines and codes of practice issued by the Authority from time to time on the use of the IBCCDS channels.

## **35. INTERPRETATION**

- 35.1 For the avoidance of doubt and for the purposes of these Special Conditions –

“mobile virtual network operator” means an operator which holds a licence for provision of mobile virtual network operator services;

“Notice” means the Notice dated [DATE] issued by the Authority in exercise of its powers conferred by section 32I of the Ordinance and the Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) Regulation (Cap. 106AG) and all other powers enabling it to specify the terms and conditions of the auction and the payment of the spectrum utilization fees; and

“services-based operator” means the holder of a services-based operator licence.

- 35.2 Any reference to an ordinance or a regulation, whether the word is used by itself or as part of any title to an ordinance or a regulation, shall mean that ordinance or regulation for the time being in force as well as any modification or substitution of that ordinance or regulation, in whole or in part, and all subsidiary legislation, regulations, directions, codes of practice and instruments made under that ordinance or regulation and for the time being in force.

- 35.3 The singular includes the plural and vice versa.

## **36. SERVICE CONTRACTS AND DISPUTE RESOLUTION**

- 36.1 The licensee shall comply with all codes of practice issued by the Authority from time to time in respect of the requirements to apply in the contracting



of telecommunications services to end users.

36.2 The contracting requirements referred to in Special Condition 36.1 may include the following –

- (a) the style, format and structure of service contract documentation;
- (b) the manner of entering into and terminating service contracts;
- (c) the information to be included in or in connection with service contracts and the performance of the services;
- (d) the submission of disputes between end users and the providers of telecommunications services to independent dispute resolution, pursuant to a scheme approved by the Authority; and
- (e) other terms and conditions or provisions for the protection of the interests of end users.

36.3 Before issuing any code of practice for the purposes of Special Condition 36.1, the Authority shall carry out such consultation as is reasonable in the circumstances.

*37-42. Repealed or reserved for special conditions specific to the incumbent mobile network operators.*

### **43. CONTROL OF INTERFERENCE AND OBSTRUCTION**

*[Note: SC43 is only applicable to the spectrum assigned in the 900 MHz band]*

43.1 Without prejudice to General Condition 9, the licensee shall:-

- (a) use the spectrum that falls within the frequency bands 885 – 890 MHz and 930 – 935 MHz in such manner that it does not cause any harmful interference to the use of these same frequency bands by (i) operators of cross-border railways between Hong Kong and the mainland and (ii) mobile carriers within the designated areas as specified by the Authority in G.N. 3738 of 2024 for the purpose of section 8A of the

Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) Regulation (Cap. 106AG); and

- (b) coordinate with all concerned parties to conduct studies, tests and evaluations for radiocommunications installations for the purpose of preventing and resolving any harmful interference. In case of unresolved interference, the licensee shall comply with the priority of use set by the Authority.

43.2 The Authority may give such directions or guidelines as its considers necessary in order for the licensee to comply with Special Condition 43.1 and the licensee shall comply with the directions and guidelines.

#### **44. REGISTRATION FOR PUBLIC WIRELESS LOCAL AREA NETWORK SERVICES**

44.1 Where the licensee provides public wireless local area network services, it shall register the following information with the Authority before the commencement of services –

- (a) the location in which the radiocommunications apparatus is established or maintained; and
- (b) the frequency band employed by the radiocommunications apparatus.

44.2 The licensee shall update the registered information provided under Special Condition 44.1 before putting into effect any change to the registered details.

44.3 The licensee shall notify the Authority within one month after ceasing to provide public wireless local area network services.

#### **45. JOINT AND SEVERAL RIGHTS AND OBLIGATIONS**

45.1 Where this licence is held by more than one company,

- (a) Each of the companies shall hold this licence jointly and shall not be treated as holding a separate licence.
- (b) Each of the companies holding this licence shall have the rights and duties to carry out activities permitted under this licence and shall be jointly and severally liable for any duties, obligations and liabilities imposed by this licence.
- (c) Each of the companies holding this licence shall be jointly and severally subject to all regulations and ordinances in force from time to time.

#### **46. GROUP COMPANIES REQUIREMENT**

46.1 Where the licence is held by more than one company, each of the companies licensed herein shall throughout the currency of this licence remain wholly and beneficially owned within the same group of companies within the meaning of the Companies Ordinance (Cap. 622). Such requirement may upon request of the licensee be waived at the discretion of the Authority.

#### **47. COMPLIANCE WITH AUCTION RULES**

47.1 The licensee shall comply with all the terms and conditions of the Notice including all the undertakings given by the licensee in its Bidder Compliance Certificate submitted in the auction.

47.2 If the licensee is found, to the reasonable satisfaction of the Authority, to have been involved in an act, or omission of any act, constituting a breach of the terms and conditions of the Notice and the undertakings given by the licensee in its Bidder Compliance Certificate, then the Authority may cancel, withdraw or suspend this licence or the assignment of the relevant frequency band made under this licence. For the avoidance of doubt, the Authority's power to cancel, withdraw or suspend this licence or the assignment of the relevant frequency band is without prejudice, and in addition, to any rights or remedies of the Authority under any performance bond submitted by the licensee pursuant to this licence or its replacement

and any other rights or remedies of the Authority, the Chief Executive, the Chief Executive in Council under this licence, the Ordinance, any regulations made under the Ordinance or any other law.

#### **48. USE OF PAYPHONE KIOSKS FOR PROVISION OF PUBLIC TELECOMMUNICATIONS SERVICES**

48.1 Without limiting or affecting in any way the licensee's obligations under any other condition of this licence, the licensee shall comply with any guideline or code of practice which may be issued by the Authority from time to time for the purpose of providing practical guidance in respect of the use of payphone kiosks for provision of public wireless local area network services, public mobile radiocommunications services and/or other public telecommunications services (collectively hereinafter referred to as "public telecommunications services").

48.2.1 Where the licensee is required, under the formula adopted by the Authority in calculating the universal service contribution under Special Condition 22.3(a), to pay a fee for the purpose of universal service contribution for using payphone kiosks for provision of the public telecommunications services, the Authority may review and determine from time to time such fee.

48.2.2 For the avoidance of doubt, the payphone kiosks referred to in this Special Condition are not limited to the payphone kiosks specified in a list mentioned in Special Condition 48.5.

48.3 Where the licensee operates payphone kiosks, the licensee shall use all reasonable endeavours to ensure that access to facilities such as space and electricity supply at the payphone kiosks is provided promptly and efficiently, and at fair compensation to the licensee, so that other licensees, which are authorized by the Authority to provide the public telecommunications services, can install their own apparatus or equipment at the payphone kiosks for provision of such services.

48.4.1 In relation to the provision of access to facilities such as space and electricity supply at payphone kiosks referred to in Special Condition 48.3,

the licensee shall:

- (a) not unduly discriminate against other licensees compared to its own business for the operation of the same kind of service; and
- (b) negotiate in good faith in an attempt to reach agreement with other licensees and use all reasonable endeavours to enter into agreement with other licensees.

48.4.2 Where the licensee is unable to agree within a reasonable time with other licensee pursuant to Special Condition 48.4.1 for provision of access to any facilities at the payphone kiosks or on what amounts to fair compensation for provision of access to any such facilities, the matter at issue may be referred by either licensee to the Authority for determination.

48.5 For the purpose of Special Conditions 48.3 and 48.4.1 and subject to Special Condition 48.6, the licensee shall provide to the Authority, in such manner and at such times as the Authority may request, a list of payphone kiosks which are available to other licensees for installing their own apparatus or equipment as well as the technical information of such kiosks including the layout plan and structural design. The Authority may disclose the list and information in any manner he thinks fit.

48.6 The licensee shall not without any prior written approval by the Authority amend, revise, modify or otherwise reduce the number of payphone kiosks referred to in Special Condition 48.5.

49. *Reserved for mobile network operators assigned with spectrum in the 3.4 – 3.6 GHz band.*

## **50. FIT AND PROPER PERSON**

50.1 The licensee shall be and remain, and shall procure that any person exercising control over the licensee shall be and remain, a fit and proper person during the validity period of this licence.

- 50.2 In determining whether the licensee or any person exercising control over the licensee is a fit and proper person, account shall be taken of –
- (a) the business record of the licensee or person;
  - (b) the record of the licensee or person in situations requiring trust and candour;
  - (c) the criminal record in Hong Kong of the licensee or person in respect of offences under the laws of Hong Kong involving bribery, false accounting, corruption or dishonesty; and
  - (d) the criminal record in places outside Hong Kong of the licensee or person in respect of conduct which, if done in Hong Kong, would constitute or form part of the criminal record in Hong Kong of the licensee or person as mentioned in Special Condition 50.2(c).
- 50.3 Upon the date of issue of this licence, the licensee shall have provided to the Authority a statutory declaration duly made by an authorized director, a secretary or a principal officer of the licensee confirming that the licensee and the persons exercising control over the licensee are fit and proper persons having regard to the matters mentioned in Special Condition 50.2(a) to (d) in a form specified by the Authority.
- 50.4 Upon request by the Authority, the licensee shall provide to the Authority within reasonable time a statutory declaration duly made by an authorized director, a secretary or a principal officer of the licensee confirming that the licensee and all persons exercising control over the licensee are and remain fit and proper persons having regard to the matters mentioned in Special Condition 50.2(a) to (d) in a form specified by the Authority.
- 50.5 Upon request by the Authority, the licensee shall provide to the Authority written authorizations from persons exercising control over the licensee authorizing relevant authorities to release criminal records and other relevant information of those persons to the Authority, to enable the Authority to establish and verify whether the licensee or the persons exercising control over the licensee are and remain fit and proper persons.

- 50.6 For the purpose of this Special Condition 50, a person exercises control over the licensee if he or she is –
- (a) a director or principal officer of the licensee;
  - (b) the beneficial owner of more than 15% of the voting shares in the licensee;
  - (c) a voting controller of more than 15% of the voting shares in the licensee; or
  - (d) otherwise has the power, by virtue of any powers conferred by the memorandum or articles of association or other instrument regulating that licensee or any other corporation, to ensure that the affairs of the licensee are conducted in accordance with the wishes of that person.

## **51. TESTING AND MONITORING**

- 51.1 Without prejudice to section 7J of the Ordinance, the Authority may require the licensee to demonstrate to it that in establishing, maintaining, or operating any means of telecommunications, including any telecommunications network, system or installation in the provision of telecommunications services, the licensee is in compliance with the Ordinance, conditions of this licence, and any directions and instruments that may be imposed or issued by the Authority.
- 51.2 For the purpose of Special Condition 51.1, and as may be required by the Authority, the licensee shall at its own expense provide a customer connection to any place specified by and/or for use with any appropriate apparatus used by the Authority, so as to enable the Authority to perform testing and monitoring of the services provided by the licensee under this licence (“the relevant services”).
- 51.3 For the purpose of Special Condition 51.2, the Authority may give notice to the licensee requesting the licensee to provide, within 21 days thereof or as soon as the customer connection mentioned in Special Condition 51.2 is in

place, the relevant services to the Authority in order that the Authority may test and monitor the performance of such services, and the licensee shall comply with the request. Where the relevant services are provided to the Authority under this Condition 51.3,

- (a) no charge or subscription shall be raised or levied;
- (b) no restriction on the lawful use or application in relation to the services shall be imposed by the licensee; and
- (c) the services thereby provided shall be continuous and of the same types and levels as offered by the licensee to its customers.

## **52. EMERGENCY ALERT SYSTEM**

52.1 Without prejudice to any agreement (if any) between the licensee and the Government, the licensee shall at its own expense establish, maintain and operate an emergency alert system so as to enable the Government to disseminate time-critical public announcements and messages through the licensee's radio network to alert all of its connected customers using apparatus that support reception of such public announcements and messages during emergency situations.

52.2 The system set up by the licensee under Special Condition 52.1 shall be based on cell broadcast service technology and in compliance with any relevant standards or requirements that may be specified by the Authority.

52.3 Without prejudice to Special Conditions 52.1 and 52.2, the licensee shall comply with any guidelines that may be issued by the Authority in relation to the establishment, maintenance, operation and testing of the emergency alert system as well as other related tasks.

52.4 The Authority may direct in writing, for such period and on such conditions as the Authority may determine, that this Special Condition 52 shall not apply to the licensee.



52.5 For the purpose of this Special Condition 52,

“connected customers” means users in Hong Kong whose apparatuses are connected to the licensee’s radio network, including (a) subscribers of the licensee’s mobile service provided via its own radio network; (b) subscribers of a licensed service provider which provides or offers mobile service making use of the licensee’s radio network for service provision; and (c) visitors to Hong Kong roaming to the licensee’s radio network.

“radio network” means the radio network operated under this licence at the relevant frequencies specified in Schedule 3 for provision of mobile services of third generation (3G) or above.

**53. BLOCKING TRANSMISSION OR DELIVERY OF CALLS OR MESSAGES AND SUSPENSION OF SERVICE DUE TO FRAUDULENT USE**

53.1 To prevent the transmission or delivery of calls or messages or suspend service due to fraudulent use, the licensee shall –

(a) upon the written request by the Authority or any relevant law enforcement agency, to the extent technically feasible and practicable, and without affecting any other telecommunications services, carry out any necessary actions or take any necessary steps to block the transmission or delivery of a call or message or suspend the service provided to a customer that is, or is suspected by the Authority or the relevant law enforcement agency to be, for furtherance of any fraudulent activity committed or purported to be committed against any party; and

(b) take all reasonably necessary steps to identify and block the transmission or delivery of calls or messages bearing an identity which does not comply with any applicable guideline, code of practice or instrument issued by the Authority from time to time.

53.2 Without limiting or affecting the generality of Special Condition 53.1, the licensee may take all incidental steps to prevent the transmission or delivery

of calls and messages or suspend the service provided to a customer, with or without giving prior notice, in writing or by any other means, to the parties concerned, having regard to the need and practicality of implementation.

53.3 For the avoidance of doubt, actions and steps taken by the licensee for compliance with this Special Condition shall be treated as for the purpose of implementing the terms or conditions of this licence as specified in section 24(2)(b) of the Ordinance.

53.4 Without prejudice to the Authority's powers of investigation under the Ordinance, the licensee shall not be held liable under the Ordinance for any actions and steps reasonably taken and which are necessary for compliance with this Special Condition.

**SCHEDULE 1**

**SCOPE OF THE SERVICE**

*[Scope of service for mobile service]*

**\*\*\* End of Schedule 1 \*\*\***

**SCHEDULE 2**

**DESCRIPTION OF NETWORK**

All such telecommunications installations established, maintained, possessed or used whether owned by the licensee, leased, or otherwise acquired by the licensee for the purpose of providing the public telecommunications network services specified in Schedule 1.

\*\*\* End of Schedule 2 \*\*\*

## SCHEDULE 3

**TECHNICAL PARTICULARS OF RADIO STATIONS FOR  
THE PROVISION OF THE SERVICE**

**[X<sub>n</sub>].** Frequencies with assignment period till [DATE] [*15 years from the date of assignment*]

[X<sub>n.1</sub>] Frequency: Transmitting and receiving frequencies assigned by the Authority for each radiocommunications installation within the following frequency band and contained in the listing incorporated into Schedule 3 in accordance with section 8(3) of the Telecommunications Regulations (Cap. 106A):

Transmitting frequencies

[                                  ]

[X<sub>n.2</sub>] Technical Standard: For the radio interface using the transmitting frequencies by the radio stations, the licensee shall use only widely recognized standards, unless a waiver is sought from the Authority as a temporary measure. The licensee shall submit proof to the satisfaction of the Authority that the technical standard used complies with the requirement under this Schedule.

[X<sub>n.3</sub>] Location: ) Details are contained in the  
 [X<sub>n.4</sub>] Class of emission: ) listing incorporated into  
 [X<sub>n.5</sub>] Type of modulation: ) Schedule 3 in accordance with  
 [X<sub>n.6</sub>] Maximum frequency tolerance: ) section 8(3) of the  
 [X<sub>n.7</sub>] Maximum effective radiated power: ) Telecommunications Regulations  
 [X<sub>n.8</sub>] Aerial characteristics: ) (Cap. 106A).

Remarks for Schedule 3:

1. For the purpose of Schedule 3, the maximum permissible height of antenna above mean sea level shall be in compliance with the Hong Kong Airport (Control of Obstructions) Ordinance (Cap. 301).
2. The licensee shall comply with the standards and certification requirements as prescribed from time to time by the Authority under the Telecommunications Ordinance. The licensee shall also comply with the “Code of Practice for the Protection of Workers and Members of Public Against Non-Ionizing Radiation Hazards from Radio Transmitting Equipment” issued and as revised from time to time by the Authority.

\*\*\* End of Schedule 3 \*\*\*

**SCHEDULE 4**

**REGULATORY ACCOUNTING  
AND INFORMATION PROVISION REQUIREMENTS**

1. Accounting information according to the practices as directed by the Authority under Special Condition 5 for each service provided under this licence or as specified by the Authority.

\*\*\* End of Schedule 4 \*\*\*

**SCHEDULES 5 and 6**

Removed in August 2020

**SCHEDULE 7**

**DESCRIPTION OF SERVICES  
REFERRED TO IN SPECIAL CONDITIONS 11 AND 12**

An internal telecommunications service

- (a) for carrying real-time voice communications (which may be integrated with other types of communications) to and from parties assigned with numbers from the numbering plan of Hong Kong as stipulated in Special Condition 4.1; and
- (b) to which customers are assigned numbers from the numbering plan of Hong Kong as stipulated in Special Condition 4.1 by the licensee.

\*\*\* End of Schedule 7 \*\*\*



**SCHEDULE 8****NETWORK AND SERVICE ROLLOUT REQUIREMENT**

*[Note: For each paragraph in Schedule 3 in relation to the spectrum assigned in this licence.]*

**[X.] For frequency spectrum specified in paragraph [X<sub>n</sub>] of Schedule 3 –**

[X]. The licensee shall install, maintain and use equipment for the purposes of the network and the service such that where the scope of the service stipulated in Schedule 1 of this licence includes a mobile service, on or before [DATE (the expiry of 5 years from the issue of this licence)], coverage of the network and the service shall be provided, and shall be maintained thereafter, to an area where at least 90% of the population of Hong Kong live from time to time.

\*\*\* End of Schedule 8 \*\*\*

## SCHEDULE 9

## SPECTRUM UTILIZATION FEES

*[Note: For each paragraph in Schedule 3 in relation to the spectrum assigned in this licence.]*

**[X.] Frequency spectrum specified in paragraph [X<sub>n</sub>] in Schedule 3**

*[Applicable to the spectrum assignee who opts for payment of the Spectrum Utilization Fee by instalment.]*

[X.1] The licensee shall pay the Spectrum Utilization Fee annually in 15 instalments for use of the frequencies specified in paragraph [X<sub>n</sub>] of Schedule 3 as designated by the Authority to be subject to payment of the Spectrum Utilization Fee and assigned to the licensee, at such level as determined by auction or prescribed by the Secretary under the Ordinance –

(a) for the first instalment, it is an amount equal to the lump sum of the Spectrum Utilization Fee divided by 15; and

(b) for each subsequent instalment, it is an amount equal to the Spectrum Utilization Fee payable in the immediately preceding instalment increased by 2.5%.

[X.2] The licensee shall have paid the first instalment of the Spectrum Utilization Fee on or before the date of the assignment of the frequencies specified in paragraph [X<sub>n</sub>] of Schedule 3 and the subsequent instalments shall be payable on or before each of the anniversary of the assignment of the frequencies until no Spectrum Utilization Fee remains payable.

[X.3] The lump sum of the Spectrum Utilization Fee referred to in paragraph X.1(a) is HK\$[ ].

\*\*\* End of Schedule 9 \*\*\*

## SCHEDULE [A]

**FORM OF PERFORMANCE BOND**  
**(for Network and Service Rollout Requirement**  
**pursuant to Special Condition 31A.1)**

*[Note: A performance bond is required for the frequencies assigned in each of paragraph[s] X<sub>1</sub>[, ... and X<sub>n</sub>] of Schedule 3, where applicable.]*

**THIS PERFORMANCE BOND** is made on [DATE]

**BY:**

- (1) [BANK], a banking corporation incorporated in [ ] [with limited liability] whose [registered office/principal place of business in Hong Kong] is at [ ] (the “Bank”).

**IN FAVOUR OF:**

- (2) **The GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION** as represented by the Office of the Communications Authority whose address is at 29th Floor, Wu Chung House, 213 Queen’s Road East, Wanchai, Hong Kong (the “Government”).

**WHEREAS:**

Pursuant to the terms and conditions of the Notice dated [DATE] issued by the Authority in exercise of its powers conferred by section 32I of the Ordinance and the Regulation and all other powers enabling it to specify the terms and conditions of the auction in which the Licensee has participated and Special Condition 31A of the unified carrier licence to be issued to the Licensee on the date of issue (the “Licence”), the Licensee is required to provide to the Authority a performance bond issued by a Qualifying Bank, in order to secure the due performance of the Milestone set out in the Annexe by the Licensee. The Bank is a Qualifying Bank.

## 1. INTERPRETATION

### 1.1 Definitions

In this Performance Bond:

“Authority” means the Communications Authority;

“Bonded Sum” means the amount set out in the Annexe;

“Business Day” means a day other than a Saturday or Sunday on which the banks in Hong Kong are open for general business;

“Hong Kong” means the Hong Kong Special Administrative Region of the People’s Republic of China;

“Licensee” means [ ] at [ ];

“Ordinance” means the Telecommunications Ordinance (Cap. 106, Laws of Hong Kong);

“Qualifying Bank” has the meaning given to it in Special Condition 31A.3 of the Licence; and

“Regulation” means the Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) Regulation (Cap. 106AG, Laws of Hong Kong).

### 1.2 Construction

In this Performance Bond, unless the contrary intention appears,

- (a) a provision of law is a reference to that provision as amended, extended or re-enacted;
- (b) a reference to any document shall include that document as it may be amended, novated or supplemented from time to time;

- (c) a clause is a reference to a clause of this Performance Bond;
- (d) a reference to any person shall include its successors and assigns; and
- (e) headings are for convenience only and are to be ignored in construing this Performance Bond.

## **2. PERFORMANCE BOND**

- 2.1 In the event of default by the Licensee in respect of the Deadline for Compliance with the Milestone set out in the Annexe the Bank shall upon demand made by the Government in writing and without proof or conditions satisfy and discharge without cavil or delay the Bonded Sum provided that the aggregate liability of the Bank under this Performance Bond in respect of the Milestone shall not exceed the Bonded Sum in respect of that Milestone set out in the Annexe.
- 2.2 The obligations under this Performance Bond constitute direct primary, irrevocable and unconditional obligations of the Bank.
- 2.3 The liability of the Bank under this Performance Bond shall reduce, on each occasion on which the Bank pays any part of the Bonded Sum to the Government, the amount of such reduction being equal to the amount paid, and the Bank shall be discharged from all further liability under this Performance Bond upon such liability being reduced to zero or the issue of the certificate of completion by the Authority of the ultimate Milestone set out in the Annexe.
- 2.4. The liability of the Bank under this Performance Bond shall cease on whichever of the following events first occurs:
  - (a) payment by the Bank of all the Bonded Sum in full to the Government;  
or
  - (b) issue of any certificate of completion by the Authority in respect of the Milestone set out in the Annexe.

2.5 This Performance Bond shall expire on [the date 120 days after the deadline for compliance specified in the Annexe]. Any claim hereunder must be received by the Bank in writing before that date.

### **3. MAXIMUM LIMIT**

The maximum amount for which the Bank shall be liable under this Performance Bond shall not exceed the aggregate of:

- (a) the Bonded Sum; and
- (b) the aggregate of all sums payable under clauses 4 and 7.

### **4. INTEREST AND COSTS**

The Bank shall pay interest on the Bonded Sum from the date of demand to the date of payment in full (both dates inclusive) compounded quarterly (both before and after judgment) at 2 per cent per annum over the prime rate quoted by The Hongkong and Shanghai Banking Corporation Limited from time to time. The interest shall be payable on demand and accrue from day to day on the basis of the number of days elapsed and a 365-day year.

### **5. WAIVER OF DEFENCES**

Subject to Clauses 2.3, 2.4 and 2.5, the liability of the Bank under this Performance Bond shall remain in full force and effect and not be prejudiced, affected, discharged, impaired or diminished by any act, omission or circumstance which, but for this clause, might prejudice, affect, discharge, impair or diminish that liability including, without limitation, and whether or not known to the Bank:

- (a) any time or waiver granted to, or release of or composition with, the Licensee or any other person;

- (b) any suspension, cancellation, revocation, withdrawal or amendment of, or variation to, the Licence (including, without limitation, extensions of time for performance) or any concession or waiver by the Authority, the Government, the Chief Executive in Council, the Chief Executive or, without limitation, any other person in respect of the Licensee's obligations under the Licence;
- (c) any forbearance or waiver of any right, power or remedy the Authority, the Government, the Chief Executive in Council or the Chief Executive or, without limitation any other person, may have against the Licensee;
- (d) any act or omission of the Licensee pursuant to any other arrangement with the persons referred to in (c) above or with the Bank; or
- (e) the liquidation, administration, dissolution, lack of capacity or authority, or any change in the name or constitution of the Licensee or the Bank.

## **6. ADDITIONAL SECURITY**

This Performance Bond is in addition to and not in substitution for or prejudiced by any present and future guarantee, lien or other security held by the Government as security for the obligations of the Licensee. The Government's rights, powers and remedies under this Performance Bond are in addition to and not exclusive of those provided by law.

## **7. NO DEDUCTIONS AND TAXES**

All sums payable under this Performance Bond shall be paid in full without set-off or counter-claim and free and clear of, and without deduction of or withholding for, or on account of, any present or future taxes, duties or other charges. If any payment is subject to any tax, duty or charge, or if the Bank is required by law to make any deduction or withholding, the Bank shall pay the tax, duty or charge and shall pay to the Government any additional amounts as shall result in the Government receiving a net amount equal to

the full amount which it would have received had no payment, deduction or withholding been required.

## **8. PAYMENTS**

All payments to be made by the Bank under this Performance Bond shall be made in immediately available funds in the currency and in the manner as the Government may specify.

## **9. WARRANTY**

The Bank warrants that this Performance Bond constitutes its legally binding obligations enforceable in accordance with its terms (subject to insolvency laws and creditors' rights generally and principles of equity) and does not conflict with any law, regulation or instrument binding on or relating to the Bank and that this Performance Bond is within its powers and has been duly authorized by it.

## **10. INFORMATION AND CONSENTS**

The Bank shall:

- (a) supply the Government with publicly available information as to itself and (if applicable) its subsidiaries as the Government may reasonably request;
- (b) promptly obtain all official and other consents, licences and authorizations necessary or desirable for the entry into and performance of its obligations under this Performance Bond, whether or not performance has become due; and
- (c) promptly notify the Government if the Bank ceases to be a Qualifying Bank.

The Bank warrants that all consents, licences and authorizations required or



desirable under existing law in accordance with this clause have been obtained.

## **11. NOTICES**

11.1 All documents arising out of or in connection with this Performance Bond shall be served:

(a) on the Government, at 29th Floor, Wu Chung House, 213 Queen's Road East, Wanchai, Hong Kong marked for the attention of the Office of the Communications Authority; and

(b) on the Bank, at its address stated in this Performance Bond.

11.2 The Government and the Bank may change their respective nominated addresses for service of documents to another address in Hong Kong by giving not less than five Business Days' prior written notice to each other. All notices, demands and communications must be in writing.

11.3 Any notice, demand or communication sent to the Government or the Bank as provided in this clause shall be deemed to have been given, if sent by post, two Business Days after posting (and in proving delivery it shall be sufficient to provide that the notice, demand or communication was properly addressed and put in the post), if delivered by hand, at the time of delivery or, if sent by facsimile, at the time of despatch.

## **12. ASSIGNMENTS**

The Bank shall not assign, transfer, novate or dispose of any of its rights and obligations under this Performance Bond. The Government may assign all or any part of its rights and benefits under this Performance Bond at any time without the consent of the Licensee or the Bank.

### **13. REMEDIES AND WAIVERS**

No delay or omission of the Government in exercising any right, power or remedy under this Performance Bond shall impair that right, power or remedy or constitute a waiver of it nor shall any single or partial exercise of any right, power or remedy preclude any other or further exercise of it or the exercise of any other right, power or remedy. The rights, powers and remedies provided in this Performance Bond are cumulative and not exclusive of any rights, powers or remedies which the Government would otherwise have.

### **14. GOVERNING LAW AND FORUM**

14.1 This Performance Bond shall be governed by laws for the time being in force in Hong Kong and the Bank agrees to submit to the non-exclusive jurisdiction of the courts of Hong Kong.

14.2 The Bank irrevocably appoints [ ] of [ ] as its agent for service of process in connection with proceedings in the Hong Kong Courts and agrees that any process shall be sufficiently and effectively served on it if delivered to that agent at that address, or in any other manner permitted by law. Nothing in this clause is to limit the right of the Government to take proceedings against the Bank in any other court of competent jurisdiction but this provision applies only to the extent that it does not prejudice the above agreement as to the jurisdiction of the Hong Kong Courts.

14.3 The Bank irrevocably and generally consents in respect of any legal action or proceedings anywhere (whether for an injunction, specific performance, damages or otherwise) arising out of or in connection with this Performance Bond to the giving of any relief or the issue of any process in connection with it including, without limitation, the making, enforcement or execution against any assets whatsoever (irrespective of their use or intended use) of any order (whether or not pre-judgment) or judgment which may be made or given there, and irrevocably and unconditionally waives, in any such action or proceedings anywhere, any immunity from that action or those proceedings, from attachment of its assets prior to judgment, other attachment of assets and from execution of judgment or other enforcement.

**15. COUNTERPARTS**

This Performance Bond may be executed in any number of counterparts, and this has the same effect as if the signatures on the counterparts were on a single copy of this Performance Bond.

IN WITNESS whereof this Performance Bond has been executed and delivered as a deed on the date which appears first on page 1.

THE COMMON SEAL of [ ]  
was affixed hereto  
in the presence of:

\_\_\_\_\_  
Director

\_\_\_\_\_  
Director/Secretary

OR

SIGNED, SEALED AND DELIVERED )  
by [ ] )  
for and on behalf of and as )  
lawful attorney of )  
[ ] pursuant to a power of )  
attorney dated [ ] given by )  
[ ] )  
in the presence of: )

\_\_\_\_\_  
[Name]  
[Occupation]  
Annex B  
*Appendix 1 Licence*

*(Note: For verification of the above execution, where the Bank executes under its common seal, please provide a certified true copy of the Bank's Memorandum and Articles of Association containing the relevant sealing provisions; where the Bank executes under a power of attorney, please provide a certified true copy of the relevant power of attorney or the equivalent of the Bank.)*

## Annexe

<b>Milestone</b>	<b>Deadline for Compliance</b>	<b>Bonded Sum Payable</b>
<p>Where the scope of the service stipulated in Schedule 1 of the Licence includes a mobile service, coverage of the network and the service shall be provided to an area where at least 90% of the population of Hong Kong live from time to time.</p> <p>The definitions in Schedule 8 of the Licence shall apply to the Milestone set out herein.</p>	<p>[Date (the expiry of the 5th year from the issue of the Licence)]</p>	<p>[A sum calculated by multiplying HK\$25 million by the number of relevant Frequency Block assigned]</p>

\*\*\* End of Schedule [A] \*\*\*

**SCHEDULE [B]**

**FORM OF PERFORMANCE BOND**  
**(for payment of spectrum utilization fee**  
**pursuant to Special Condition 31B.3)**

**THIS PERFORMANCE BOND** is made on [DATE]

**BY:**

- (1) [BANK], a banking corporation incorporated in [ ] [with limited liability] whose [registered office/principal place of business in Hong Kong] is at [ ] (the “Bank”).

**IN FAVOUR OF:**

- (2) **The GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION** as represented by the Office of the Communications Authority whose address is at 29th Floor, Wu Chung House, 213 Queen’s Road East, Wanchai, Hong Kong (the “Government”).

**WHEREAS:**

Pursuant to Special Condition 31B of the Unified Carrier Licence dated [ ] or [to be issued to the Licensee on the date of issue] (the “Licence”), the Licensee is required to provide to the Government a Performance Bond issued by a Qualifying Bank (as defined below) which shall remain in full force for the duration of the relevant frequency assignment when any of the Spectrum Utilization Fees remain payable. The Bank is a Qualifying Bank.

**1. INTERPRETATION****1.1 Definitions**

In this Performance Bond:

“Authority” means the Communications Authority;

“Bonded Sum” means an amount of HK\$[        ];

“Business Day” means a day other than a Saturday or Sunday on which the banks in Hong Kong are open for general business;

“Hong Kong” means the Hong Kong Special Administrative Region of the People’s Republic of China;

“Licensee” means [        ];

“Ordinance” means the Telecommunications Ordinance (Cap. 106);

“Qualifying Bank” has the meaning given to it in Special Condition 31B.4; and

“Regulation” means the Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) Regulation (Cap. 106AG, Laws of Hong Kong).

## **1.2 Construction**

In this Performance Bond, unless the contrary intention appears,

- (a) a provision of law is a reference to that provision as amended, extended or re-enacted;
- (b) a reference to any document shall include that document as it may be amended, novated or supplemented from time to time;
- (c) a clause is a reference to a clause of this Performance Bond;
- (d) a reference to any person shall include its successors and assigns; and
- (e) headings are for convenience only and are to be ignored in construing this Performance Bond.

## 2. PERFORMANCE BOND

2.1 On the occurrence of all or any of the following events:

- (a) failure of the Licensee to pay all or any of the Spectrum Utilization Fees due to insolvency of the Licensee or any other reasons;
- (b) surrender of the Licence by the Licensee;
- (c) a decision by the Chief Executive in Council to cancel or suspend the licence or the Authority to cancel, withdraw or suspend the Licence pursuant to section 34(4) of the Ordinance; or
- (d) the Licensee ceasing to provide telecommunications services over the telecommunications network pursuant to the Licence,

the Bank shall on demand made by the Government in writing and without evidence that the relevant events have in fact occurred pay, satisfy and discharge without cavil or delay the Bonded Sum.

2.2 The obligations under this Performance Bond constitute direct primary, irrevocable and unconditional obligations of the Bank.

2.3 This Performance Bond shall continue in full force and effect until payment by the Bank to the Government of the Bonded Sum in full in accordance with sub-clause 2.1 provided that no demand may be made under this Performance Bond after [DATE]. *[Note: the expiry date shall be [180] days after the due date of the payment of the last instalment covered by the Bonded Sum.]*

2.4. For the purposes of this clause, "insolvency" of the Licensee includes where the Licensee goes into liquidation whether compulsory or voluntary or if an order is made or a resolution is passed for the winding up or a receiver or an administrator is appointed or it enters into any arrangement or composition with its creditors generally or ceases to carry on business or to be able to pay its debts when they fall due or becomes subject to other proceedings



analogous in purpose or effect including, without limitation, the appointment of a receiver, trustee or liquidator for any such purpose.

### **3. MAXIMUM LIMIT**

The maximum amount for which the Bank shall be liable under this Performance Bond shall not exceed the aggregate of:

- (a) the Bonded Sum; and
- (b) the aggregate of all sums payable under clauses 4 and 7.

### **4. INTEREST AND COSTS**

The Bank shall pay interest on the Bonded Sum from the date of demand to the date of payment in full (both dates inclusive) compounded quarterly (both before and after judgment) at 2 per cent per annum over the prime rate quoted by The Hongkong and Shanghai Banking Corporation Limited from time to time. The interest shall be payable on demand and accrue from day to day on the basis of the number of days elapsed and a 365-day year.

### **5. WAIVER OF DEFENCES**

The liability of the Bank under this Performance Bond shall remain in full force and effect and not be prejudiced, affected, discharged, impaired or diminished by any act, omission or circumstance which, but for this condition, might prejudice, affect, discharge, impair or diminish that liability including, without limitation, and whether or not known to the Bank:

- (a) any time or waiver granted to, or release of or composition with, the Licensee or any other person;
- (b) any suspension, cancellation, revocation, withdrawal or amendment of, or variation to, the Licence (including, without limitation, extensions

of time for performance) or any concession or waiver by the Authority, the Government, the Chief Executive in Council, the Chief Executive or, without limitation, any other person in respect of the Licensee's obligations under the Licence;

- (c) any forbearance or waiver of any right, power or remedy the Authority, the Government, the Chief Executive in Council or the Chief Executive or, without limitation any other person, may have against the Licensee;
- (d) any act or omission of the Licensee pursuant to any other arrangement with the persons referred to in (c) above or with the Bank; or
- (e) the liquidation, administration, dissolution, lack of capacity or authority, or any change in the name or constitution of the Licensee or the Bank.

## **6. ADDITIONAL SECURITY**

This Performance Bond is in addition to and not in substitution for or prejudiced by any present and future guarantee, lien or other security held by the Government as security for the obligations of the Licensee. The Government's rights, powers and remedies under this Performance Bond are in addition to and not exclusive of those provided by law.

## **7. NO DEDUCTIONS AND TAXES**

All sums payable under this Performance Bond shall be paid in full without set-off or counter-claim and free and clear of, and without deduction of or withholding for, or on account of, any present or future taxes, duties or other charges. If any payment is subject to any tax, duty or charge, or if the Bank is required by law to make any deduction or withholding, the Bank shall pay the tax, duty or charge and shall pay to the Government any additional amounts as shall result in the Government receiving a net amount equal to the full amount which it would have received had no payment, deduction or withholding been required.

## **8. PAYMENTS**

All payments to be made by the Bank under this Performance Bond shall be made in immediately available funds in the currency and in the manner as the Government may specify.

## **9. WARRANTY**

The Bank warrants that this Performance Bond constitutes its legally binding obligations enforceable in accordance with its terms (subject to insolvency laws and creditors' rights generally and principles of equity) and does not conflict with any law, regulation or instrument binding on or relating to the Bank and that this Performance Bond is within its powers and has been duly authorized by it.

## **10. INFORMATION AND CONSENTS**

The Bank shall:

- (a) supply the Government with publicly available information as to itself and (if applicable) its subsidiaries as the Government may reasonably request;
- (b) promptly obtain all official and other consents, licences and authorizations necessary or desirable for the entry into and performance of its obligations under this Performance Bond, whether or not performance has become due; and
- (c) promptly notify the Government if the Bank ceases to be a Qualifying Bank.

The Bank warrants that all consents, licences and authorizations required or desirable under existing law in accordance with this clause have been obtained.

## **11. NOTICES**

11.1 All documents arising out of or in connection with this Performance Bond shall be served:

(a) on the Government, at 29th Floor, Wu Chung House, 213 Queen's Road East, Wanchai, Hong Kong marked for the attention of the Office of the Communications Authority; and

(b) on the Bank, at its address stated in this Performance Bond.

11.2 The Government and the Bank may change their respective nominated addresses for service of documents to another address in Hong Kong by giving not less than five Business Days' prior written notice to each other. All notices, demands and communications must be in writing.

11.3 Any notice, demand or communication sent to the Government or the Bank as provided in this clause shall be deemed to have been given, if sent by post, two Business Days after posting (and in proving delivery it shall be sufficient to provide that the notice, demand or communication was properly addressed and put in the post), if delivered by hand, at the time of delivery or, if sent by facsimile, at the time of despatch.

## **12. ASSIGNMENTS**

The Bank shall not assign, transfer, novate or dispose of any of its rights and obligations under this Performance Bond. The Government may assign all or any part of its rights and benefits under this Performance Bond at any time without the consent of the Licensee or the Bank.

## **13. REMEDIES AND WAIVERS**

No delay or omission of the Government in exercising any right, power or remedy under this Performance Bond shall impair that right, power or

remedy or constitute a waiver of it nor shall any single or partial exercise of any right, power or remedy preclude any other or further exercise of it or the exercise of any other right, power or remedy. The rights, powers and remedies provided in this Performance Bond are cumulative and not exclusive of any rights, powers or remedies which the Government would otherwise have.

#### **14. GOVERNING LAW AND FORUM**

- 14.1 This Performance Bond shall be governed by laws for the time being in force in Hong Kong and the Bank agrees to submit to the non-exclusive jurisdiction of the courts of Hong Kong.
- 14.2 The Bank irrevocably appoints [ ] of [ ] as its agent for service of process in connection with proceedings in the Hong Kong Courts and agrees that any process shall be sufficiently and effectively served on it if delivered to that agent at that address, or in any other manner permitted by law. Nothing in this clause is to limit the right of the Government to take proceedings against the Bank in any other court of competent jurisdiction but this provision applies only to the extent that it does not prejudice the above agreement as to the jurisdiction of the Hong Kong Courts.
- 14.3 The Bank irrevocably and generally consents in respect of any legal action or proceedings anywhere (whether for an injunction, specific performance, damages or otherwise) arising out of or in connection with this Performance Bond to the giving of any relief or the issue of any process in connection with it including, without limitation, the making, enforcement or execution against any assets whatsoever (irrespective of their use or intended use) of any order (whether or not pre-judgment) or judgment which may be made or given there, and irrevocably and unconditionally waives, in any such action or proceedings anywhere, any immunity from that action or those proceedings, from attachment of its assets prior to judgment, other attachment of assets and from execution of judgment or other enforcement.

**15. COUNTERPARTS**

This Performance Bond may be executed in any number of counterparts, and this has the same effect as if the signatures on the counterparts were on a single copy of this Performance Bond.

**IN WITNESS** of which this Performance Bond has been executed and delivered as a deed on the date which appears first on page 1.

**EXECUTED** as a deed by [**BANK**] )  
acting by [ ] and )  
[ ] )

.....

\*\*\* End of Schedule [B] \*\*\*

\*\*\*\*\*

Communications Authority

Date: [DATE]

**APPENDIX 2**  
**Frequency Blocks, Eligibility Points and Minimum Fees**

## FREQUENCY BLOCKS, ELIGIBILITY POINTS AND MINIMUM FEES

Frequency Block	Frequency range (MHz)	Bandwidth of the Frequency Block	Eligibility Point attributed to the Frequency Block	Minimum Fee
A1	832.5 – 837.5 paired with 877.5 – 882.5	2 x 5 MHz	1	HK\$40 million
A2	885.0 – 890.0 paired with 930.0 – 935.0	2 x 5 MHz	1	HK\$40 million
B1	2300 – 2310	10 MHz	1	HK\$40 million
B2	2310 – 2320	10 MHz	1	HK\$40 million
B3	2320 – 2330	10 MHz	1	HK\$40 million
B4	2330 – 2340	10 MHz	1	HK\$40 million
B5	2340 – 2350	10 MHz	1	HK\$40 million
B6	2350 – 2360	10 MHz	1	HK\$40 million
B7	2360 – 2370	10 MHz	1	HK\$40 million
B8	2370 – 2380	10 MHz	1	HK\$40 million
B9	2380 – 2390	10 MHz	1	HK\$40 million



**APPENDIX 3**  
**Deposit and Eligibility Points to be attributed to Bidders**

**DEPOSIT AND ELIGIBILITY POINTS TO BE  
ATTRIBUTED TO BIDDERS**

<b>Deposit</b>	<b>Eligibility Points to be attributed to Bidders for the first Round of the Bidding Stage</b>
HK\$40 million	1
HK\$80 million	2
HK\$120 million	3
HK\$160 million	4
HK\$200 million	5
HK\$240 million	6

**APPENDIX 4**  
**Application Form**

**AUCTION OF RADIO SPECTRUM  
IN THE 850/900 MHz  
AND 2.3 GHz BANDS  
FOR THE PROVISION OF  
PUBLIC MOBILE SERVICES  
  
APPLICATION FORM**

THE OFFICE OF THE COMMUNICATIONS AUTHORITY

**A. APPLICATION FORM****A.1 The Bidder****A.1.1 Details of the Bidder**

1. Registered name of the Bidder:
2. Unique Business Identifier <sup>1</sup> :
3. Registered office address:
4. Correspondence address:
5. Company website:
6. Telephone number (general):
7. Fax number (general):

<sup>1</sup> With effect from 27 December 2023, the Business Registration Number assigned by the Business Registration Office of the Inland Revenue Department is adopted as the Unique Business Identifier of companies and entities.

Signed:

Signed:

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 Authorised Representative

Name:

Title:

("Authorised Representative 1")

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 Authorised Representative

Name:

Title:

("Authorised Representative 2")

**A.1.2 Contact details of the Bidder**

Address:	
Telephone number:	
Fax number:	
E-mail address:	

Signed:

Signed:

\_\_\_\_\_  
Authorised Representative 1

\_\_\_\_\_  
Authorised Representative 2

**A.1.3 Principal contacts of the Bidder**

Contact 1	
Name:	
Title and/or position:	
Telephone number:	
Mobile number:	
Fax number:	
E-mail address:	

Contact 2	
Name:	
Title and/or position:	
Telephone number:	
Mobile number:	
Fax number:	
E-mail address:	

Signed:

Signed:

\_\_\_\_\_  
 Authorised Representative 1

\_\_\_\_\_  
 Authorised Representative 2

Contact 3	
Name:	
Title and/or position:	
Telephone number:	
Mobile number:	
Fax number:	
E-mail address:	

#### **A.1.4 Bank account (for reimbursement of Deposit provided in cash)**

Name of bank:	
Account name:	
Account number:	

Signed:

Signed:

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 Authorised Representative 1

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 Authorised Representative 2



**A.1.5 Directors and principal officers of the Bidder**

Name (as shown on HKID Card/Passport):	Title and/or position:

If additional space is required, please attach additional sheets labelled A.1.5(a), A.1.5(b) etc.

Signed:

Signed:

\_\_\_\_\_  
Authorised Representative 1

\_\_\_\_\_  
Authorised Representative 2

**A.2 Bidder's Authorised Representatives**

1.	Name (as shown on HKID Card /Passport):	
	Employer (or relationship between this representative and the Bidder):	
	Title and/or position:	
	Signature:	

2.	Name (as shown on HKID Card /Passport):	
	Employer (or relationship between this representative and the Bidder):	
	Title and/or position:	
	Signature:	

3.	Name (as shown on HKID Card /Passport):	
	Employer (or relationship between this representative and the Bidder):	
	Title and/or position:	
	Signature:	

Signed:

Signed:

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 Authorised Representative 1

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 Authorised Representative 2

4	Name (as shown on HKID Card /Passport):	
	Employer (or relationship between this representative and the Bidder):	
	Title and/or position:	
	Signature:	

5.	Name (as shown on HKID Card /Passport):	
	Employer (or relationship between this representative and the Bidder):	
	Title and/or position:	
	Signature:	

6.	Name (as shown on HKID Card /Passport):	
	Employer (or relationship between this representative and the Bidder):	
	Title and/or position:	
	Signature:	

Signed:

Signed:

\_\_\_\_\_  
 Authorised Representative 1

\_\_\_\_\_  
 Authorised Representative 2

### A.3 Insiders

Name (as shown on HKID Card /Passport):	Employer:	Title and/or position:	Role:

Signed:

Signed:

\_\_\_\_\_  
Authorised Representative 1

\_\_\_\_\_  
Authorised Representative 2

**A.4 Corporate and shareholding structures of the Bidder**

If additional space is required, please attach additional sheets labelled A.4(a), A.4(b) etc.

Signed:

Signed:

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Authorised Representative 1

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Authorised Representative 2

**A.5 Deposit submission form**

	<b>Amount of Deposit submitted by Bidder by cash or by a Letter of Credit</b>	<b>Eligibility Points to be attributed to Bidder for the first Round of the Bidding Stage</b>	<b>Please tick: (one box only)</b>
1.	HK\$40 million	1	<input type="checkbox"/>
2.	HK\$80 million	2	<input type="checkbox"/>
3.	HK\$120 million	3	<input type="checkbox"/>
4.	HK\$160 million	4	<input type="checkbox"/>
5.	HK\$200 million	5	<input type="checkbox"/>
6.	HK\$240 million	6	<input type="checkbox"/>

Each Frequency Block will be attributed 1 Eligibility Point as specified in Appendix 2 of the notice dated 19 July 2024 for the auction in relation to the use of the frequency blocks in the 850/900 MHz Bands and 2.3 GHz Band issued by the Authority (the “Notice”). A Bidder must have the required number of Eligibility Points in order to bid for the Frequency Blocks. For details, please refer to the terms and conditions of the Notice and the Information Memorandum dated 19 July 2024 for the Auction of Radio Spectrum in the 850/900 MHz and 2.3 GHz Bands for the Provision of Public Mobile Services issued by the Authority.

Signed:

Signed:

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 Authorised Representative 1

---

 Authorised Representative 2

**A.6 Brief service and technical proposal**

**A.6.1** Please briefly describe the scope of service proposed to be provided using the Frequency Block(s).

If additional space is required, please attach additional sheets labelled A.6.1(a), A.6.1(b) etc.

Signed:

Signed:

---

Authorised Representative 1

---

Authorised Representative 2

**A.6.2** Please provide a brief description of the technical configuration of the networks and systems to be deployed for the operation of the proposed service including network infrastructure and components, the technology to be employed, the likely choice of equipment and system design.

If additional space is required, please attach additional sheets labelled A.6.2(a), A.6.2(b) etc.

Signed:

Signed:

---

Authorised Representative 1

---

Authorised Representative 2



**A.6.3** Please provide a brief description of the technical expertise available for the operation of the proposed service.

If additional space is required, please attach additional sheets labelled A.6.3(a), A.6.3(b) etc.

Signed:

Signed:

---

Authorised Representative 1

---

Authorised Representative 2

**A.7 Checklist**

		<b>Please tick:</b>
1.	Complete sections A.1, A.2, A.3, A.4, A.5 and A.6 of the Application Form.	<input type="checkbox"/>
2.	Sign each page of the Application Form by two Authorised Representatives who are directors of the Bidder.	<input type="checkbox"/>
3.	Provide a certified true copy of the Articles of Association of the Bidder or equivalent documents.	<input type="checkbox"/>
4.	Provide certified true copies of the Certificate of Incorporation and the Business Registration Certificate of the Bidder.	<input type="checkbox"/>
5.	Provide the signed Bidder Compliance Certificate in the format set out at Appendix 5 of the Notice.	<input type="checkbox"/>
6.	Provide the signed declaration in the following section A.8 of the Application Form.	<input type="checkbox"/>
7.	Confirm either: (a) that the Deposit has been provided together with this Application Form as a Letter of Credit in the same format as set out at Appendix 6 of the Notice; or (b) that the Deposit has been provided in cash (cleared funds) to the Authority's Account by telegraphic transfer.	<input type="checkbox"/> <input type="checkbox"/>
8.	Confirm either: (a) that a certified true copy of the relevant power of attorney or the equivalent of the issuing bank is submitted together with the Letter of Credit; or (b) that a pay-in slip consisting of the registered name of the Bidder which proves the payment of the Deposit in cash is submitted.	<input type="checkbox"/> <input type="checkbox"/>

Signed:

Signed:

---

 Authorised Representative 1

---

 Authorised Representative 2

		<b>Please tick:</b>
9.	Provide one business card of each of the Bidder's Authorised Representatives pursuant to section B.2 of the Application Form instructions.	<input type="checkbox"/>
10.	Confirm that the amount of the Deposit conforms with the selection made by the Bidder in the Deposit submission form (section A.5).	<input type="checkbox"/>
11.	Provide one copy of the latest annual reports and accounts of the Bidder and the Listed Companies pursuant to section B.4 of the Application Form instructions.	<input type="checkbox"/>
12.	Provide five copies (one original and four copies) of the Application Form. All supporting documents must be included in each copy, except for the business cards provided pursuant to section B.2 and the annual reports and accounts provided pursuant to section B.4 of which only a single set is required.	<input type="checkbox"/>

Signed:

Signed:

---

 Authorised Representative 1

---

 Authorised Representative 2

**A.8 Declaration**

We, ..... and ....., the undersigned, as directors and Authorised Representatives of the Bidder, confirm and acknowledge that:

- (a) this Application, once submitted to the Authority, cannot be withdrawn other than in accordance with the Notice;
- (b) this Application commits the Bidder and its Insiders to comply with the terms and conditions of the Auction;
- (c) this Application commits the Bidder to
  - (i) if there is no Bidding Stage, acquire at least one Frequency Block; or
  - (ii) if there is a Bidding Stage, bid for at least one Frequency Block in the first Round of the Bidding Stage,
 at the Minimum Fee, as the case may be; and
- (d) in case the Bidder is the only Qualified Bidder, the Bidder may, subject to the terms and conditions of the Notice, become the Provisional Successful Bidder of the Frequency Block(s) it selects, subject to the Spectrum Cap, in accordance with the relevant terms and conditions.

We confirm that the factual information provided in, or in support of, the Application is, to the best of the Bidder's knowledge, information and belief, true, accurate and has no material omissions and that any opinion expressed is honestly held.

Signed:

Signed:

---

 Authorised Representative 1

---

 Authorised Representative 2

Date: \_\_\_\_\_

*(Note 1: The name of the Authorised Representatives should be as shown on the HKID Card/Passport and same as those filled in on page 2 of this Application Form.)*

**END OF APPLICATION FORM**

## **B. APPLICATION FORM INSTRUCTIONS**

Instructions are set out below on the information required in the Application Form, and the form of its presentation. Unless otherwise stated, terms used in the Application Form and these instructions have the meaning given to them in the Notice.

### **B.1 The Bidder**

#### **B.1.1 Details of the Bidder**

Please provide the registered name of the Bidder, its Unique Business Identifier<sup>2</sup> appearing on the Certificate of Incorporation issued by the Companies Registry of Hong Kong, registered office address (and principal place of business if different) and official fax and telephone numbers.

Separately, please provide certified true copies of the Certificate of Incorporation and the Business Registration Certificate of the Bidder.

#### **B.1.2 Contact details of the Bidder**

Please provide the address, telephone number and fax number within the Hong Kong Special Administrative Region at which the Bidder can be reached between 9:00 am and 6:00 pm Hong Kong time. This address will be considered as the Bidder's official address for written correspondence for matters relating to the Auction and will generally be used for non-time critical communication.

#### **B.1.3 Principal contacts of the Bidder**

Please provide the names, titles (e.g. executive director) and/or positions (e.g. Head of Telecom) and contact details (telephone number, mobile number, fax number and e-mail address) for three persons that the Authority may contact directly for urgent or time-critical communication. These contacts must be fully authorised under law and the Bidder's constitutional documents to represent the Bidder for all acts that may be related to the Auction and to the grant of a Licence. The contacts should be listed in the order in which the Bidder would prefer the Authority to contact them. Such persons should be aware that the Authority may contact them outside normal working hours.

#### **B.1.4 Bank account (for reimbursement of Deposit provided in cash)**

Where the Deposit is provided in cash, please provide the details of the Bidder's bank account into which the Deposit should be returned in accordance with the provisions of the Notice.

#### **B.1.5 Directors and principal officers of the Bidder**

Please provide the names (as shown on HKID Card/Passport), titles and/or positions of all the directors and principal officers (such as Chief Executive Officer, Chief Financial Officer, Chief Operating Officer and Chief Technical Officer, or equivalent) of the Bidder.

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<sup>2</sup> With effect from 27 December 2023, the Business Registration Number assigned by the Business Registration Office of the Inland Revenue Department is adopted as the Unique Business Identifier of companies and entities.

## **B.2 Bidder’s Authorised Representatives**

Please provide the name (as shown on HKID Card/Passport), employer, title and/or position (together with one business card) and specimen signature of each Authorised Representative who is authorised to provide confirmations, submit bids and act in any other way necessary on behalf of the Bidder during the Auction. The table in section A.2 of the Application Form will be used by the Authority to verify the signatures for matters relating to the Auction.

If any Authorised Representative is not an employee of the Bidder, please state clearly its relationship with the Bidder in the “employer” section.

If the Bidder wishes to substitute one or more of its Authorised Representatives, it shall give the Authority at least one Business Day prior written notification of the details of such change.

## **B.3 Insiders**

Please provide the names (as shown on HKID Card/Passport), employer, title and/or position, and roles of all the Insiders to the Application and the Bidder’s participation in the Auction. If any of the Insiders is not an employee of the Bidder, then the information provided must state clearly the relationship between this Insider and the Bidder. The description of the role must be sufficient for the Authority to determine what function that Insider has played or will play during the Auction.

## **B.4 Corporate and shareholding structures of the Bidder**

Please provide, in the format described hereafter, the following information regarding the ownership structure of the Bidder:

- (a) Detailed information on corporate and shareholding structures of the Bidder including each person (which may be individual or body corporate; see the interpretation of “person” given in the Notice):
  - (i) which has a shareholding of more than 15% in the Bidder;
  - (ii) in which the Bidder has a shareholding of more than 15%; and
  - (iii) which shareholding of more than 15% is held by another person who also holds a shareholding of more than 15% in the Bidder.

Please also indicate which of the companies appeared in the corporate and shareholding structures are listed on a stock exchange (“Listed Companies”), the exchange on which they are listed, and the percentage of each class of their shares which form a public or free float. Please provide the latest annual reports and accounts of the Bidder and the Listed Companies.

- (b) Detailed information of all parties who have a material interest, as defined in the Notice, in the Bidder. Bidders should note that, a material interest in the form of an indirect interest (e.g. interest held through nominees or custodians) and a conditional entitlement (e.g. interest conditional on terms of a loan agreement) must be disclosed.

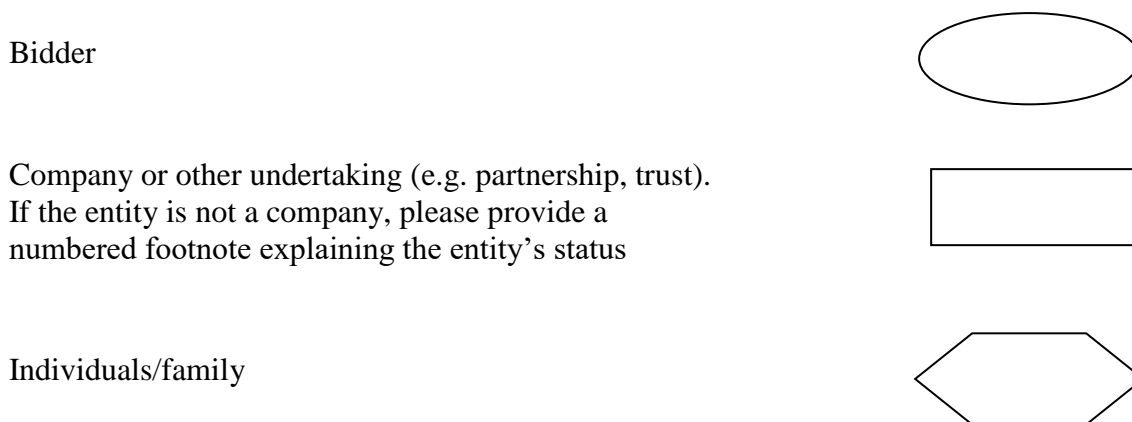
The information provided should state clearly the nature of the material interest (e.g. percentage shareholding, voting control, board representation, management agreement etc). If more than one factor apply, each of such factors should be clearly stated.

For the avoidance of doubt, the Bidder is required to provide information of each person (which may be individual or body corporate; see the interpretation of “person” given in the Notice) who holds a material interest in it. For this purpose, the Bidder may provide more than one diagram. (The Bidder is not required to provide information of any other interest (e.g. shareholding of less than 25%) which does not amount to a material interest as defined in the Notice.)

- (c) Please also indicate which of the parties provided pursuant to B.4 (a) and (b) above are Insiders to the Bidder.

The information provided pursuant to B.4 (a) and (b) above will be disclosed to other Bidders to assist each of the Bidders to assess whether it is a Connected Bidder in relation to another Bidder. In disclosing such information, the relevant parts of each Application Form will simply be copied to the other Bidders. If the Bidder wishes particular ownership information that is not in the public domain to be kept confidential, that Bidder should ask the Authority to treat such information as confidential and such information should be clearly identified to the Authority on the Application Form. That Bidder should also provide a separate abbreviated version that can be disclosed by the Authority to other Bidders. Any confidential information should be provided on separate sheets of paper so that it can be separated from the other information to be copied to other Bidders (if this is done, the Application Form must make the Bidder’s overall ownership structure clearly and easily comprehensible). Bidders should note that the request will only be accommodated if the Authority considers that the request is reasonable in the interests of that Bidder and not disclosing such information would not unfairly prejudice other Bidders or be detrimental to the Auction.

The information required in this section of the Application Form should be provided in diagrammatic form as follows. Each shape should contain the registered name of the relevant entity.





Company(ies) controlled by private individual or family  
(see illustration below)



Where such entities are Insiders, the shape should be double-lined as follows:

Company or other entity which is an Insider



Individual/family that is an Insider



Company(ies) controlled by private individual  
or family that is an Insider

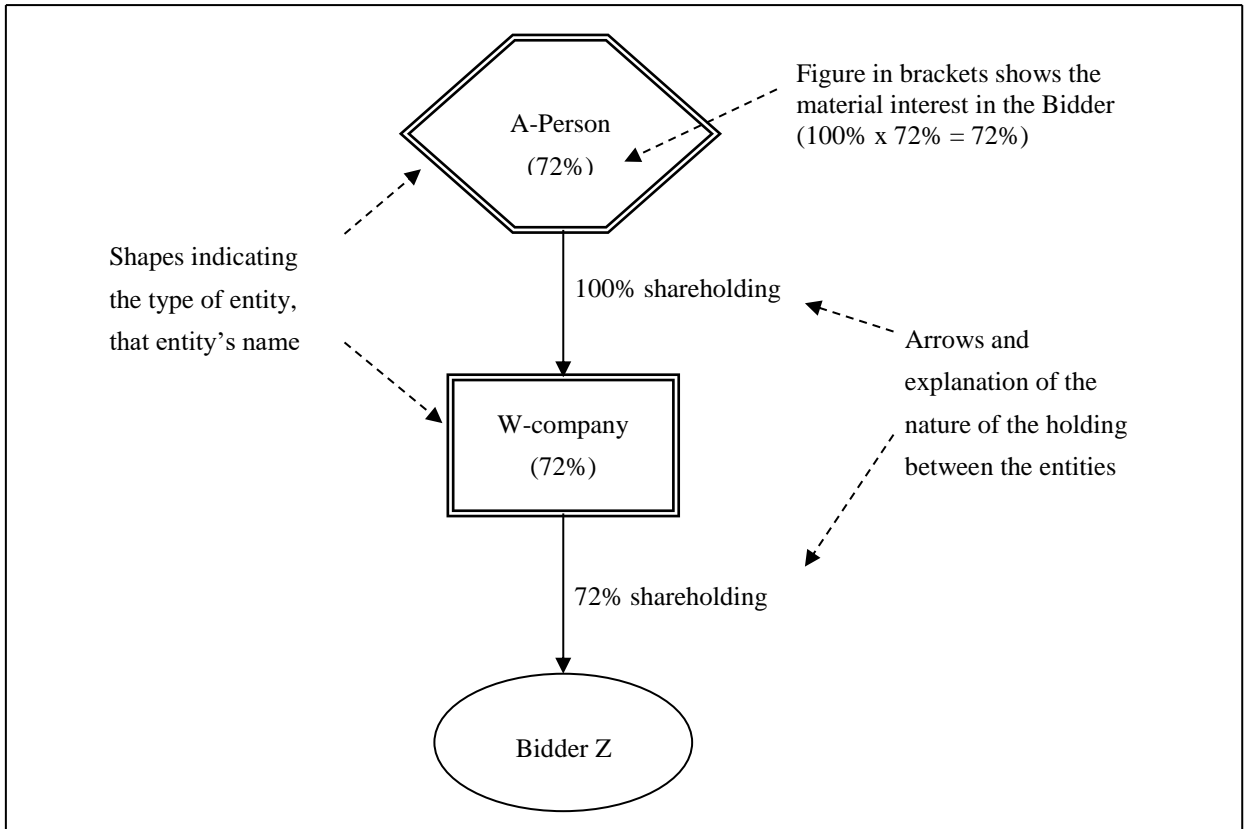


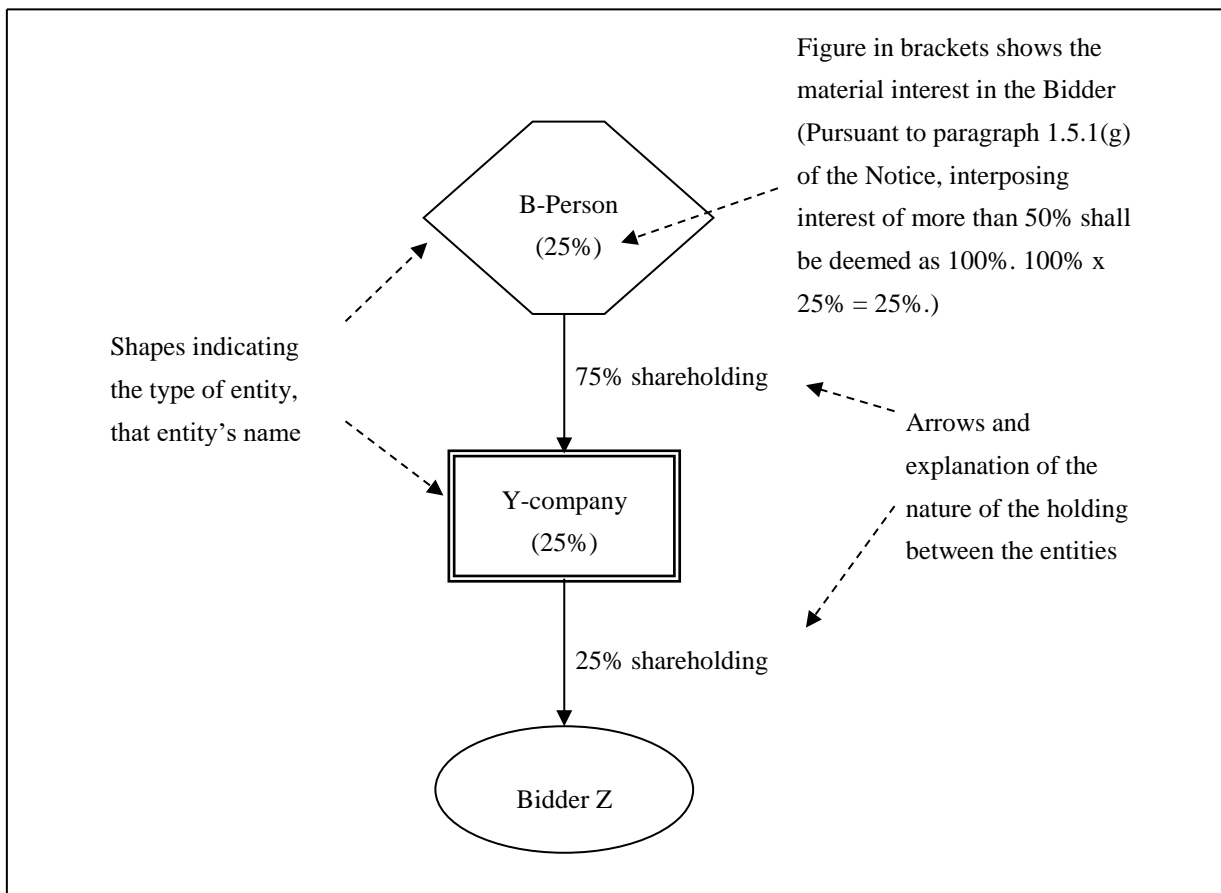
The Bidder is assumed to be an Insider, so it is not necessary to double-line the Bidder's shape.

Links (whether by ownership or some other form of control or arrangement) between entities should be shown as an arrow between holder and held entities, together with a description of the amount of ownership or form of arrangement. Each entity's shape should also contain in brackets a figure (or other explanatory note) stating that entity's material interest in the Bidder itself.

*Illustrative example 1:*

*Each of Person A, Person B, Company W and Company Y has more than 15% interest directly or indirectly in Bidder Z. Bidder Z must disclose the interest of Person A, Person B, Company W and Company Y in diagrams as follows:*





*Bidder Z, however, is not required to disclose the names of other shareholders who do not hold more than 15% interest in it (e.g. Person C holding the remaining 3% shareholding interest in Bidder Z).*

*For the avoidance of doubt, Bidder Z is required to disclose any body corporate in which it has a shareholding of more than 15%.*

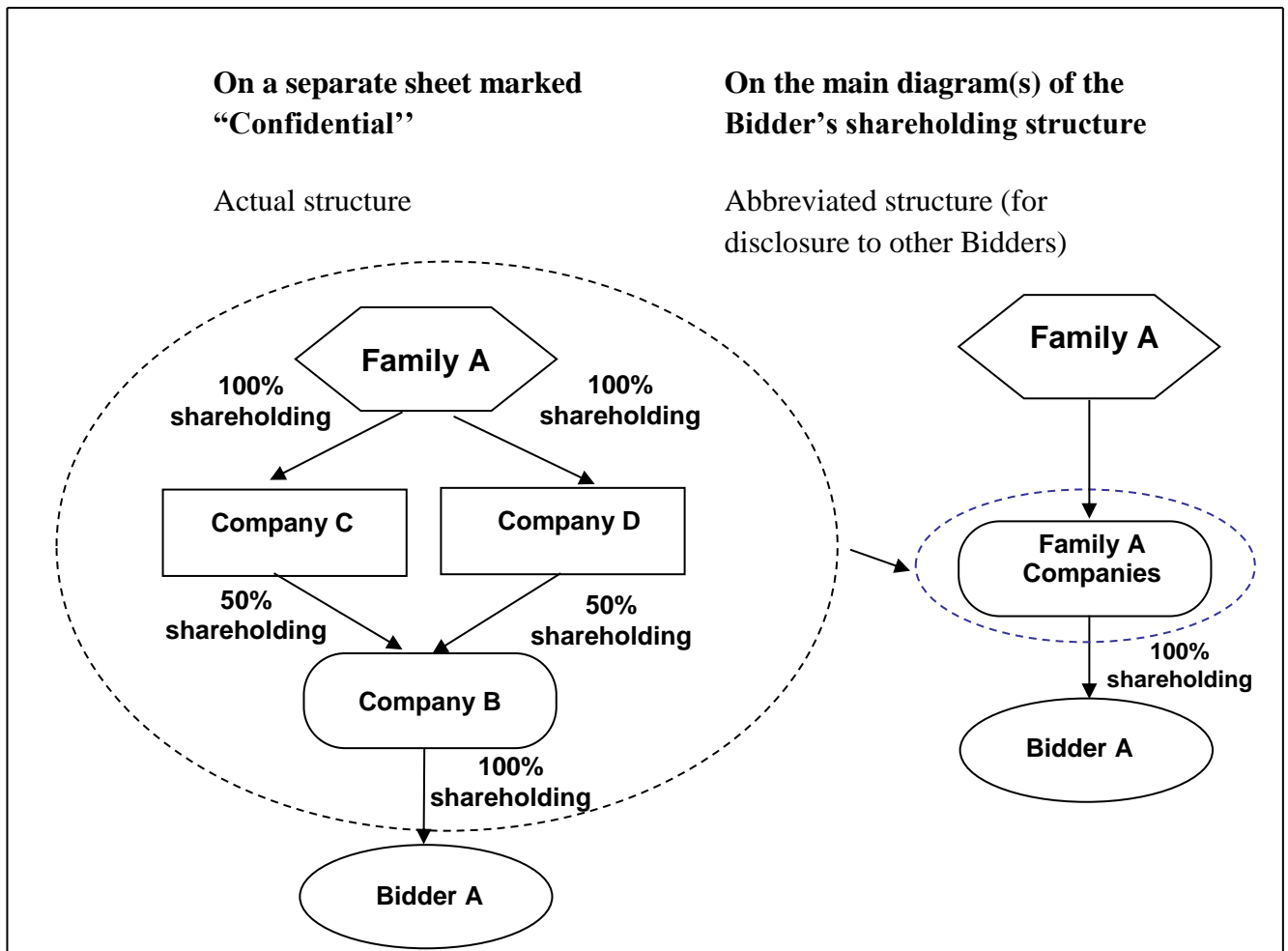
If the form of interest in the Bidder is not readily explainable in the format set out above, please provide additional arrows together with explanatory text either in the diagram or in a footnote.

If these diagrams do not fit legibly onto a single sheet of paper, please provide additional sheets (which can be larger than A4 if necessary) to make the requested information clear.

The diagrams below illustrate how shareholding information that the Bidder wishes to keep confidential should be presented.

*Illustrative example 2:*

*Bidder A is 100% owned by a company (Company B) which in turn is owned by two companies (Companies C and D), each holding 50% of Company B, and these two companies are 100% owned by a family (e.g. Family A). The following diagram illustrates how Bidder A is permitted to present its shareholding structure diagram:*



## **B.5 Deposit submission form**

Please confirm by ticking the box in the Deposit submission form at A.5 of the Application Form the amount of Deposit provided by the Bidder.

## **B.6 Brief service and technical proposal**

Please provide a brief proposal summarizing in a concise manner the significant and salient points of the scope of service proposed to be provided using a Frequency Block, the technical details of the facilities and relevant experience of the Bidder in the Application Form.

## **B.7 Checklist**

Please submit all the documents set out in the checklist in the Application Form and confirm by ticking the relevant check-boxes in the checklist to confirm that they have been provided by the Bidder.

## **B.8 Application Dates**

The Application Dates shall be 19 September 2024 and 20 September 2024.

## **B.9 Declaration**

Please read carefully and sign the declaration.

## **B.10 Submission instructions**

The Application Form and all declarations, consents and certificates must be prepared in the English language.

Each Bidder must provide five copies (one original and four copies) of its Application Form. All supporting documents must be included in each copy, except for:

- business cards provided pursuant to B.2; and
- the annual reports and accounts provided pursuant to B.4;

of which only a single set is required.

Applications must be sealed in a non-transparent envelope or envelopes marked:

**“For the attention of the Communications Authority”**

No other mark should appear on the envelope.

**The Application must be delivered in person by hand to the Assistant Director (Market and Competition) of OFCA who will deposit the Application into the tender box in the presence of the person delivering the Application. The Application must be received by the Authority between 9:00 a.m. and 5:30 p.m. on either of the Application Dates. Bidders are advised to contact the secretary of the Assistant Director (Market and Competition) by phone on 2961-6289 in advance for the exact time and location to submit the Application.**

Further details on submission of Application may be placed on the OFCA's website from time to time.

### **B.11 Signatures**

The Application Form must be signed by two Authorised Representatives who are directors of the Bidder. Each page of the Application Form must also be signed by these two Authorised Representatives.

Please note that any additional papers provided as part of the Application Form should be signed by the two Authorised Representatives signing the main body of the Application Form. Any such additional sheets should also be numbered after the section to which they relate (e.g. A.1.5(a), A.1.5(b), etc).

### **B.12 Notes on Personal Data (Privacy) Ordinance**

All personal data provided in this Application Form will be used by the Authority for the purposes of the Auction and for facilitating communication between the Authority and the Bidder. Personal data includes names, relationship with the Bidder, title and position of persons listed in the Application Form. Personal data will be handled in accordance with the relevant provisions of the Personal Data (Privacy) Ordinance (Cap. 486, Laws of Hong Kong).

**APPENDIX 5**  
**Bidder Compliance Certificate**

**AUCTION OF RADIO SPECTRUM  
IN THE 850/900 MHZ AND 2.3 GHZ BANDS  
FOR THE PROVISION OF  
PUBLIC MOBILE SERVICES**

**BIDDER COMPLIANCE CERTIFICATE**

**TO :** The Communications Authority (the “**Authority**”)

The Office of the Communications Authority

29<sup>th</sup> Floor, Wu Chung House

213 Queen’s Road East

Wanchai

Hong Kong

**FROM:** [*Name and address of Bidder*] (the “**Bidder**”)

**DATE :** [                    ] 2024

Dear Sirs,

We refer to the notice dated 19 July 2024 for the auction in relation to the use of the frequency blocks in the 850/900 MHz Bands and 2.3 GHz Band issued by the Authority in exercise of the powers conferred by section 32I of the Ordinance and the Regulation and all other powers enabling it to specify the terms and conditions of the Auction and the payment of the Spectrum Utilization Fees (the “Notice”).

Signed:

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Authorised Representative

Name:

Title:

(“Authorised Representative 1”)

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Authorised Representative

Name:

Title:

(“Authorised Representative 2”)



1. The Bidder hereby certifies and undertakes to the Authority that:
  - 1.1. the Authorised Representatives of the Bidder have read and understood the Licence, the Ordinance, the Regulation, the Telecommunications (Designation of Frequency Bands subject to Payment of Spectrum Utilization Fee) Order, the Notice and the Information Memorandum dated 19 July 2024 for the Auction of Radio Spectrum in the 850/900 MHz and 2.3 GHz Bands for the Provision of Public Mobile Services issued by the Authority, and that it has complied, and will comply, with the Conditions and the Notice including the Schedules and Appendices to the Notice as appropriate;
  - 1.2. it is legally capable of bidding in the Auction and has in place all necessary approvals, consents, permissions and board approvals including, without limitation, any approvals, consents, permissions and board approvals from its holding company(ies) under any law or rules and regulations issued by any governmental or regulatory or supervisory body in any competent jurisdiction other than an Approval;
  - 1.3. it agrees with and accepts the Conditions and is legally and financially capable of satisfying the Conditions in accordance with their terms including, without limitation:
    - a. the obligation with respect to coverage of network and service in accordance with Special Condition 31 of the Conditions;
    - b. where applicable, the obligation to provide the Performance Bond to the Authority in accordance with Special Condition 31A of the Conditions; and
    - c. where applicable, the obligation to provide the Performance Bond to the Authority in accordance with Special Condition 31B of the Conditions;
  - 1.4. it will provide a network that is technically secure, reliable, and compatible with the local environment in accordance with the Conditions;
  - 1.5. it will arrange sufficient managerial and technical expertise to provide a satisfactory service under the Licence;
  - 1.6. the factual information provided in, or in support of, the Application (including without limitation the list of Insiders) is, to the best of the Bidder's and its respective Insiders' knowledge, information and belief, true, accurate and has no material omissions and that any opinion expressed is honestly held;

Signed:

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Authorised Representative 1

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Authorised Representative 2

- 1.7. it will inform the Authority immediately if it becomes aware that any change has occurred which has affected the information submitted in the Application, including without limitation the list of Insiders;
- 1.8. it will comply, and ensure, to the best of its ability, that all of its Insiders will comply, with the terms and conditions of the Notice including, without limitation, and in particular with the terms and conditions under Part 6 of the Notice relating to the confidentiality of information provided to them by the Authority during the course of the Auction;
- 1.9. it will not and none of its Insiders will co-operate, collaborate, collude or discuss with, or disclose any information (including Confidential Information) to, any other Bidder or any of that other Bidder's Insiders for any purpose relating to the Auction including, without limitation, in connection with the substance of that Bidder's bidding strategy, nor manipulate, attempt to manipulate or make any arrangements to manipulate the Auction in any way with a view to achieving a particular result or outcome of the Auction;
- 1.10. none of the Bidder nor any of its Insiders have in place any arrangements or understanding with any other Bidder or any of that other Bidder's Insiders to co-operate, collaborate, or collude or otherwise manipulate or attempt to manipulate the outcome of the Auction;
- 1.11. to the best of its knowledge, information and belief, having made all reasonable enquiries, no person who is a director, employee or agent of the Bidder or any of the Bidder's Insiders and who is also a director, employee or agent of any other Bidder or of any of that other Bidder's Insiders:
  - a. has taken part, or will take part, in preparing any of the Bidders or their respective Insiders for participation in the Auction;
  - b. has passed, or will pass, Confidential Information relating to one Bidder to another Bidder or its Insiders;
  - c. has been, or will be, an Authorised Representative of any of the Bidders; or
  - d. has taken part or participated, or will take part or participate in the Auction;

Signed:

---

Authorised Representative 1

---

Authorised Representative 2

- 1.12. it, and any person exercising control over the Bidder<sup>1</sup> (“relevant person”), are fit and proper persons having regard to:
- a. the business record of the Bidder and each relevant person;
  - b. the record of the Bidder and each relevant person in situations requiring trust and candour;
  - c. the criminal record in Hong Kong of the Bidder and each relevant person in respect of offences under the laws of Hong Kong involving bribery, false accounting, corruption or dishonesty; and
  - d. the criminal record in places outside Hong Kong of the Bidder and each relevant person in respect of conduct which, if done in Hong Kong, would constitute or form part of the criminal record in Hong Kong of the Bidder and each relevant person as mentioned in 1.12.c;
- 1.13. there is no petition presented against it or a proceeding commenced or an order made or an effective resolution passed for the winding-up, insolvency, administration, reorganisation, reconstruction, dissolution or bankruptcy of the Bidder or for the appointment of a liquidator, receiver, administrator, trustee or similar officer of the Bidder over all or any part of the business or assets of the Bidder and no circumstances have arisen which entitle any person to take any action, commence any proceeding, obtain any order or appoint any person of the type specified in this paragraph;
- 1.14. none of its directors nor its principal officers, none of its Insiders and none of any persons who have the power, by shareholding or under any power conferred by the articles of association or any other instrument regulating the Bidder, to ensure that the affairs of the Bidder are conducted in accordance with the wishes of that person, has a petition presented against it or a proceeding commenced or an order made or an effective resolution passed for its winding-up, insolvency, administration, reorganisation, reconstruction, dissolution or bankruptcy or for the appointment of a liquidator, receiver, administrator, trustee or similar officer over all or any part of the

Signed:

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Authorised Representative 1

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Authorised Representative 2

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<sup>1</sup> For the purpose of this paragraph 1.12, a person exercises control over the Bidder if he or she is (a) a director or principal officer of the Bidder; (b) the beneficial owner of more than 15% of the voting shares in the Bidder; (c) a voting controller of more than 15% of the voting shares in the Bidder; or (d) otherwise has the power, by virtue of any powers conferred by the memorandum or articles of association or other instrument regulating that Bidder or any other corporation, to ensure that the affairs of the Bidder are conducted in accordance with the wishes of that person.

business or assets of the Bidder and no circumstances have arisen which entitle any person to take any action, commence any proceeding, obtain any order or appoint any person of the type specified in this paragraph, which may be expected to have a material adverse impact on the Bidder's ability to participate in the Auction or to satisfy the Conditions of any Licence granted to the Bidder;

- 1.15. none of the Bidder nor its Insiders, and none of their respective directors, officers or representatives, are the subject of criminal investigations or proceedings in Hong Kong or in any other jurisdiction, or has engaged or engages in any act or activity (such as bribery, false accounting, corruption or dishonesty) which might reasonably be expected to adversely affect their business or materially affect the Bidder's ability to participate in the Auction or to satisfy the Conditions of any Licence granted to the Bidder, and that there is no reason to believe that any investigations or proceedings might occur during the Auction;
- 1.16. none of the Bidder nor its Insiders have had any telecommunications or radiocommunications licence, consent, authority, permission, concession agreement, or other document or allocation of radio spectrum in Hong Kong withdrawn, cancelled or suspended owing to the default or breach by the Bidder or its Insiders of the conditions of that licence, consent, authority, permission, concession agreement, or other document for allocation of radio spectrum in Hong Kong;
- 1.17. none of the Bidder nor its Insiders is a party to any civil litigation or proceedings which may be expected to have a material adverse impact on the Bidder's ability to participate in the Auction or to satisfy the Conditions of any Licence granted to the Bidder; and
- 1.18. it has submitted only one Application to the Authority.

2. Words and expressions used in this certificate have the same meaning as given in the Notice, unless the context otherwise requires.

Yours faithfully,

Signed:

---

Authorised Representative 1

---

Authorised Representative 2

*(Note 1: This certificate must be signed by two Authorised Representatives who are directors of the Bidder.*

*Note 2: The name of the Authorised Representatives should be as shown on the HKID Card/Passport.)*

**APPENDIX 6**  
**Letter of Credit for Payment of the Deposit**

# LETTER OF CREDIT

**TO** : The Communications Authority (the “**Beneficiary**”)  
The Office of the Communications Authority  
29<sup>th</sup> Floor, Wu Chung House  
213 Queen’s Road East  
Wanchai  
Hong Kong

**FROM** : [Name and address of issuing bank] (the “**Issuing Bank**”)

**DATE** : [ 2024]

The Issuing Bank issues this irrevocable standby letter of credit in the favour of the Beneficiary on the following terms on the application and request of [*Name of the Bidder*] (the “**Bidder**”) pursuant to the notice dated 19 July 2024 for the auction in relation to the use of the frequency blocks in the 850/900 MHz Bands and 2.3 GHz Band issued by the Communications Authority (the “**Notice**”) in exercise of the powers conferred by section 32I of the Telecommunications Ordinance (Cap. 106), the Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) Regulation (Cap. 106AG) and all other powers enabling it to specify the terms and conditions of the auction and payment of the spectrum utilization fees.

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**IRREVOCABLE STANDBY LETTER OF CREDIT NO [ ]**

**DATED [ ] 2024**

---

**BENEFICIARY**            The Communications Authority

**EXPIRY DATE** 31 January 2025

**AMOUNT OF  
STANDBY LETTER  
OF CREDIT** HK [ ]

**AVAILABLE** Subject to the Additional Conditions below, within three (3) Business Days (as defined in the Notice) of receipt by the Issuing Bank of the Beneficiary's certificate in the form set out below

**BY** Payment into the account specified by the Beneficiary

**BENEFICIARY'S CERTIFICATE**

**TO** : [Insert Issuing Bank name and address for delivery of the certificate] (the "**Issuing Bank**")

**FROM** : The Communications Authority  
(the "**Beneficiary**")  
The Office of the Communications Authority  
29<sup>th</sup> Floor, Wu Chung House  
213 Queen's Road East  
Wanchai  
Hong Kong

**DATE** : [ ]

**Irrevocable Standby Letter of Credit No. [ ] dated [ ]**  
**(the "Standby Letter of Credit")**

1. We claim HK\$ [ ] under the Standby Letter of Credit.
2. This amount has become due and payable to us by the operation of the terms and

conditions of the Notice.

3. We request payment from the Issuing Bank of the amount specified in paragraph 1 within three (3) Business Days (as defined in the Notice) after the date of this certificate to [*details of the Beneficiary's account*] in our favour.

SIGNED BY

.....

(name and title)

for the Beneficiary

**ADDITIONAL CONDITIONS**

1. The Beneficiary may make any number of demands for payment up to the Amount of this Standby Letter of Credit as reduced from time to time by the payments made by the Issuing Bank before the Expiry Date.
2. The Issuing Bank shall not be required to investigate the authenticity of any certificate presented by the Beneficiary or the Beneficiary's capacity or entitlement to make any certificate and each certificate issued by the Beneficiary of sums due shall be conclusive, save for manifest error.
3. All payments under this Standby Letter of Credit shall be made in full to the Beneficiary without any deduction or withholding (whether in respect of set off, counterclaim, duties, present or future taxes, charges or otherwise) and shall not be withheld for whatever reason. Nothing in any agreement between the Issuing Bank and any third party shall prejudice the operation of this Standby Letter of Credit.
4. The Issuing Bank may not assign or transfer all or any of its rights and obligations under this Standby Letter of Credit to another person without the prior written consent of the Beneficiary.



5. This Standby Letter of Credit is subject to the International Standby Practices 1998 (to the extent not inconsistent with the terms of this Standby Letter of Credit) and is governed by, and shall be construed in accordance with, Hong Kong law.

SIGNED BY:

.....

*(Insert name and title of first representative of the Issuing Bank)*

For *(name of the Issuing Bank)*

SIGNED BY:

.....

*(Insert name and title of second representative of the Issuing Bank)*

For *(name of the Issuing Bank)*

COMPANY SEAL OF ISSUING BANK AFFIXED:

*(Note: For verification of the above execution, please provide a certified true copy of the relevant power of attorney or the equivalent of the Issuing Bank.)*

**APPENDIX 7**  
**Connected Bidder Statutory Declaration**

**AUCTION OF RADIO SPECTRUM  
IN THE 850/900 MHZ AND 2.3 GHZ BANDS  
FOR THE PROVISION OF  
PUBLIC MOBILE SERVICES**

**CONNECTED BIDDER STATUTORY DECLARATION**

*(Note 1: This Connected Bidder Statutory Declaration is to be completed by the Bidder after the Authority publishes a Bidder Notice pursuant to paragraph 3.1.1 of the Notice.*

*Note 2: After the end of the Bidding Stage, the Authority will publish a Provisional Successful Bidder Notice. Within two Business Days after publication of the Provisional Successful Bidder Notice, each Provisional Successful Bidder must complete and submit to the Authority this Connected Bidder Statutory Declaration pursuant to paragraph 4.14.2 of the Notice.)*

I, [ ] of [ ] being  
[ ] of [ ] (the  
“Bidder”) refer to the notice dated 19 July 2024 for the auction in relation to the use of the frequency blocks in the 850/900 MHz Bands and 2.3 GHz Band issued by the Authority in exercise of the powers conferred by section 32I of the Ordinance and the Regulation and all other powers enabling it to specify the terms and conditions of the Auction and the payment of the Spectrum Utilization Fees (the “Notice”).

I do solemnly and sincerely declare that, to the best of my knowledge, information and belief, having made all due enquiries of any person -

- (a) who holds a material interest in the Bidder,
- (b) whom the Bidder holds a material interest, and

Signed:

\_\_\_\_\_  
Authorised Representative  
Name:  
Title:  
 (“Authorised Representative 1”)

\_\_\_\_\_  
Authorised Representative  
Name:  
Title:  
 (“Authorised Representative 2”)

(c) whom another person who has a material interest in the Bidder also holds a material interest;

and having informed them of the relevant provisions of the Regulation, the Notice and the Information Memorandum dated 19 July 2024 for the Auction of Radio Spectrum in the 850/900 MHz and 2.3 GHz Bands for the Provision of Public Mobile Services, **there is no other Bidder / Provisional Successful Bidder\* which is a Connected Bidder in relation to the Bidder other than as set out below nor has the Bidder nor any of the persons specified in (a) to (c) above taken any steps deliberately to arrange for, or assist in arranging, any other Bidder / Provisional Successful Bidder\* to be a Connected Bidder in relation to the Bidder.**

(\* Please delete as appropriate.)

**Connected Bidder**

Name : [ ]

Address/Registered office : [ ]

Unless otherwise stated or the context otherwise requires, words and expressions used in this statutory declaration have the same meaning as that given to them in the Notice.

**AND** I make this solemn declaration conscientiously believing the same to be true and by virtue of the Oaths and Declarations Ordinance (Cap. 11, Laws of Hong Kong).

**DECLARED** at

Dated

Before me

(Signature and designation

i.e. Justice of the Peace/Notary Public/

Commissioner of Oaths/Solicitor)

Signed:

\_\_\_\_\_  
Authorised Representative 1

\_\_\_\_\_  
Authorised Representative 2

**APPENDIX 8**  
**Frequency Block Selection Form**

**AUCTION OF RADIO SPECTRUM  
IN THE 850/900 MHz AND 2.3 GHz BANDS  
FOR THE PROVISION OF  
PUBLIC MOBILE SERVICES**

**FREQUENCY BLOCK SELECTION FORM**

*(Note: This Frequency Block Selection Form is to be completed by the Qualified Bidder who receives a notification from the Authority under paragraph 3.4.2 of the notice dated 19 July 2024 for the auction in relation to the use of the frequency blocks in the 850/900 MHz Bands and 2.3 GHz Band issued by the Authority (the "Notice"). Unless otherwise stated or the context otherwise requires, words and expressions used in this form have the same meaning as that given to them in the Notice.)*

**1. Instructions to Bidder**

Please provide the details required in section 2 below and indicate clearly in sections 3 and 4 below the Frequency Block(s) the Bidder wishes to be assigned by the Authority, subject to the Spectrum Cap and the requirement to acquire a total of at least one Frequency Block. This form must be signed by two Authorised Representatives who are directors of the Bidder. Each page of this form must also be signed by these two Authorised Representatives.

**2. Details of the Bidder**

Registered name of the Bidder: \_\_\_\_\_  
Registered office address: \_\_\_\_\_  
\_\_\_\_\_  
Telephone number : \_\_\_\_\_  
Fax number : \_\_\_\_\_

Signed: \_\_\_\_\_  
\_\_\_\_\_  
Authorised Representative  
Name:  
Title:  
("Authorised Representative 1")

Signed: \_\_\_\_\_  
\_\_\_\_\_  
Authorised Representative  
Name:  
Title:  
("Authorised Representative 2")

### 3. Selection of Frequency Block in the 850/900 MHz Bands

Frequency Block	Frequency range (MHz)	Bandwidth of the Frequency Block	Minimum Fee	Frequency Block selected by the Bidder (Please indicate with a tick (“✓”) the Frequency Block the Bidder wishes to select. <b>Please select not more than one Frequency Block</b> in order not to exceed the Spectrum Cap.)
A1	832.5 – 837.5 paired with 877.5 – 882.5	2 x 5 MHz	HK\$40 million	<input type="checkbox"/>
A2	885.0 – 890.0 paired with 930.0 – 935.0	2 x 5 MHz	HK\$40 million	<input type="checkbox"/>

Signed:

Signed:

\_\_\_\_\_

\_\_\_\_\_

Authorised Representative 1

Authorised Representative 2

#### 4. Selection of Frequency Block(s) in the 2.3 GHz Band

Frequency Block	Frequency range (MHz)	Bandwidth of the Frequency Block	Minimum Fee	Frequency Block(s) selected by the Bidder (Please indicate with a tick (“✓”) the Frequency Block(s) the Bidder wishes to select. <b>Please select not more than five Frequency Blocks</b> in order not to exceed the Spectrum Cap.)
B1	2300 – 2310	10 MHz	HK\$40 million	<input type="checkbox"/>
B2	2310 – 2320	10 MHz	HK\$40 million	<input type="checkbox"/>
B3	2320 – 2330	10 MHz	HK\$40 million	<input type="checkbox"/>
B4	2330 – 2340	10 MHz	HK\$40 million	<input type="checkbox"/>
B5	2340 – 2350	10 MHz	HK\$40 million	<input type="checkbox"/>
B6	2350 – 2360	10 MHz	HK\$40 million	<input type="checkbox"/>
B7	2360 – 2370	10 MHz	HK\$40 million	<input type="checkbox"/>
B8	2370 – 2380	10 MHz	HK\$40 million	<input type="checkbox"/>
B9	2380 – 2390	10 MHz	HK\$40 million	<input type="checkbox"/>

Signed:

Signed:

\_\_\_\_\_

\_\_\_\_\_

Authorised Representative 1

Authorised Representative 2

*(Note 1: This form must be signed by two Authorised Representatives who are directors of the Bidder*

*Note 2: The name of the Authorised Representatives should be as shown on the HKID Card/Passport.)*

Date:



**APPENDIX 9**

**Letter of Credit for Payment of the Spectrum Utilization Fees for  
Frequency Blocks in the 850/900 MHz Bands**

**Annex B**

*Appendix 9 Letter of Credit for Payment of the Spectrum Utilization Fees for  
Frequency Blocks in the 850/900 MHz Bands*

# LETTER OF CREDIT

**TO** : The Communications Authority (the “**Beneficiary**”)  
The Office of the Communications Authority  
29<sup>th</sup> Floor, Wu Chung House  
213 Queen’s Road East  
Wanchai  
Hong Kong

**FROM** : [*Name and address of issuing bank*] (the “**Issuing Bank**”)

**DATE** : [                    ]

The Issuing Bank issues this irrevocable standby letter of credit in the favour of the Beneficiary on the following terms on the application and request of [*Name of the Bidder*] (the “**Bidder**”) pursuant to the notice dated 19 July 2024 for the auction in relation to the use of the frequency blocks in the 850/900 MHz Bands and 2.3 GHz Band issued by the Communications Authority (the “**Notice**”) in exercise of the powers conferred by section 32I of the Telecommunications Ordinance (Cap. 106), the Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) Regulation (Cap. 106AG) and all other powers enabling it to specify the terms and conditions of the auction and payment of the spectrum utilization fees.

---

**IRREVOCABLE STANDBY LETTER OF CREDIT NO [            ]**  
**DATED [                    ]**

---

**BENEFICIARY**                    The Communications Authority

**EXPIRY DATE**                    31 May 2026



2. This amount has become due and payable to us by the operation of the terms and conditions of the Notice.
3. We request payment from the Issuing Bank of the amount specified in paragraph 1 within three (3) Business Days (as defined in the Notice) after the date of this certificate to [*details of the Beneficiary's account*] in our favour.

SIGNED BY

.....

(name and title)

for the Beneficiary

**ADDITIONAL CONDITIONS**

1. The Beneficiary may make any number of demands for payment up to the Amount of this Standby Letter of Credit as reduced from time to time by the payments made by the Issuing Bank before the Expiry Date.
2. The Issuing Bank shall not be required to investigate the authenticity of any certificate presented by the Beneficiary or the Beneficiary's capacity or entitlement to make any certificate and each certificate issued by the Beneficiary of sums due shall be conclusive, save for manifest error.
3. All payments under this Standby Letter of Credit shall be made in full to the Beneficiary without any deduction or withholding (whether in respect of set off, counterclaim, duties, present or future taxes, charges or otherwise) and shall not be withheld for whatever reason. Nothing in any agreement between the Issuing Bank and any third party shall prejudice the operation of this Standby Letter of Credit.

**ANNEX B**

4. The Issuing Bank may not assign or transfer all or any of its rights and obligations under this Standby Letter of Credit to another person without the prior written consent of the Beneficiary.
  
5. This Standby Letter of Credit is subject to the International Standby Practices 1998 (to the extent not inconsistent with the terms of this Standby Letter of Credit) and is governed by, and shall be construed in accordance with, Hong Kong law.

SIGNED BY:

.....

*(Insert name and title of first representative of the Issuing Bank)*

*For (name of the Issuing Bank)*

SIGNED BY:

.....

*(Insert name and title of second representative of the Issuing Bank)*

*For (name of the Issuing Bank)*

COMPANY SEAL OF ISSUING BANK AFFIXED:

*(Note: For verification of the above execution, please provide a certified true copy of the relevant power of attorney or the equivalent of the Issuing Bank.)*

**APPENDIX 10**  
**Letter of Credit for Payment of the Spectrum Utilization Fees**  
**for Frequency Blocks in the 2.3 GHz Band**

Annex B

*Appendix 10 Letter of Credit for Payment of the Spectrum Utilization Fees for  
Frequency Blocks in the 2.3 GHz Band*

# LETTER OF CREDIT

**TO** : The Communications Authority (the “**Beneficiary**”)  
The Office of the Communications Authority  
29<sup>th</sup> Floor, Wu Chung House  
213 Queen’s Road East  
Wanchai  
Hong Kong

**FROM** : [*Name and address of issuing bank*] (the “**Issuing Bank**”)

**DATE** : [ ]

The Issuing Bank issues this irrevocable standby letter of credit in the favour of the Beneficiary on the following terms on the application and request of [*Name of the Bidder*] (the “**Bidder**”) pursuant to the notice dated 19 July 2024 for the auction in relation to the use of the frequency blocks in the 850/900 MHz Bands and 2.3 GHz Band issued by the Communications Authority (the “**Notice**”) in exercise of the powers conferred by section 32I of the Telecommunications Ordinance (Cap. 106), the Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) Regulation (Cap. 106AG) and all other powers enabling it to specify the terms and conditions of the auction and payment of the spectrum utilization fees.

---

**IRREVOCABLE STANDBY LETTER OF CREDIT NO** [ ]

**DATED** [ ]

---

**BENEFICIARY** The Communications Authority

**EXPIRY DATE** 29 March 2027

**AMOUNT OF  
STANDBY LETTER  
OF CREDIT** HK [ ]

**AVAILABLE** Subject to the Additional Conditions below, within three (3) Business Days (as defined in the Notice) of receipt by the Issuing Bank of the Beneficiary’s certificate in the form set out below

**BY** Payment into the account specified by the Beneficiary

**BENEFICIARY’S CERTIFICATE**

TO : [Insert Issuing Bank name and address for delivery of the certificate] (the “**Issuing Bank**”)

FROM : The Communications Authority  
(the “**Beneficiary**”)  
The Office of the Communications Authority  
29<sup>th</sup> Floor, Wu Chung House  
213 Queen’s Road East  
Wanchai  
Hong Kong

DATE : [ ]

**Irrevocable Standby Letter of Credit No. [ ] dated [ ]**  
**(the “Standby Letter of Credit”)**

1. We claim HK\$ [ ] under the Standby Letter of Credit.
2. This amount has become due and payable to us by the operation of the terms and



conditions of the Notice.

3. We request payment from the Issuing Bank of the amount specified in paragraph 1 within three (3) Business Days (as defined in the Notice) after the date of this certificate to [*details of the Beneficiary's account*] in our favour.

SIGNED BY

.....

(name and title)

for the Beneficiary

**ADDITIONAL CONDITIONS**

1. The Beneficiary may make any number of demands for payment up to the Amount of this Standby Letter of Credit as reduced from time to time by the payments made by the Issuing Bank before the Expiry Date.
2. The Issuing Bank shall not be required to investigate the authenticity of any certificate presented by the Beneficiary or the Beneficiary's capacity or entitlement to make any certificate and each certificate issued by the Beneficiary of sums due shall be conclusive, save for manifest error.
3. All payments under this Standby Letter of Credit shall be made in full to the Beneficiary without any deduction or withholding (whether in respect of set off, counterclaim, duties, present or future taxes, charges or otherwise) and shall not be withheld for whatever reason. Nothing in any agreement between the Issuing Bank and any third party shall prejudice the operation of this Standby Letter of Credit.
4. The Issuing Bank may not assign or transfer all or any of its rights and obligations under this Standby Letter of Credit to another person without the prior written consent of the Beneficiary.

5. This Standby Letter of Credit is subject to the International Standby Practices 1998 (to the extent not inconsistent with the terms of this Standby Letter of Credit) and is governed by, and shall be construed in accordance with, Hong Kong law.

SIGNED BY:

.....

*(Insert name and title of first representative of the Issuing Bank)*

For *(name of the Issuing Bank)*

SIGNED BY:

.....

*(Insert name and title of second representative of the Issuing Bank)*

For *(name of the Issuing Bank)*

COMPANY SEAL OF ISSUING BANK AFFIXED:

*(Note: For verification of the above execution, please provide a certified true copy of the relevant power of attorney or the equivalent of the Issuing Bank.)*

**ANNEX C      GAZETTE NOTICE ON SPECIFICATION OF THE  
DESIGNATED AREAS ISSUED BY THE  
COMMUNICATIONS AUTHORITY**

**TELECOMMUNICATIONS (METHOD FOR DETERMINING  
SPECTRUM UTILIZATION FEE) (SPECTRUM FOR AUCTION) REGULATION  
(Chapter 106AG) (Section 8A)**

Pursuant to section 8A(3) of the Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) Regulation (Chapter 106AG), the Communications Authority specifies the designated areas for the purposes of section 8A(1) of Chapter 106AG as follows:–

Country parks and special areas

(a) Country parks and special areas designated under Country Parks Ordinance (Chapter 208) as at 28 June 2024.

Robin's Nest

(b) The area bounded:–

- (i) on the north, by a straight line drawn from position latitude 22° 32' 24.896" north, longitude 114° 11' 12.864" east to position latitude 22° 32' 24.896" north, longitude 114° 11' 19.864" east;
- (ii) on the south, by a straight line drawn from position latitude 22° 32' 21.645" north, longitude 114° 11' 12.864" east to position latitude 22° 32' 21.645" north, longitude 114° 11' 19.863" east;
- (iii) on the east, by a straight line drawn from position latitude 22° 32' 24.896" north, longitude 114° 11' 19.864" east to position latitude 22° 32' 21.645" north, longitude 114° 11' 19.863" east;
- (iv) on the west, by a straight line drawn from position latitude 22° 32' 24.896" north, longitude 114° 11' 12.864" east to position latitude 22° 32' 21.645" north, longitude 114° 11' 12.864" east.

Lai Chi Wo

(c) The area bounded:–

- (i) on the north, by a straight line drawn from position latitude 22° 31' 39.311" north, longitude 114° 15' 28.314" east to position latitude 22° 31' 39.305" north, longitude 114° 15' 38.812" east;
- (ii) on the south, by a straight line drawn from position latitude 22° 31' 32.809" north, longitude 114° 15' 28.310" east to position latitude 22° 31' 32.803" north, longitude 114° 15' 38.808" east;
- (iii) on the east, by a straight line drawn from position latitude 22° 31' 39.305" north, longitude 114° 15' 38.812" east to position latitude 22° 31' 32.803" north, longitude 114° 15' 38.808" east;
- (iv) on the west, by a straight line drawn from position latitude 22° 31' 39.311" north, longitude 114° 15' 28.314" east to position latitude 22° 31' 32.809" north, longitude 114° 15' 28.310" east.

Sai Kung

(d) The area bounded:–

- (i) on the north, by a straight line drawn from position latitude 22° 22' 55.878" north, longitude 114° 16' 20.446" east to position latitude 22° 22' 55.874" north, longitude 114° 16' 27.437" east;
- (ii) on the south, by a straight line drawn from position latitude 22° 22' 49.376" north, longitude 114° 16' 20.441" east to position latitude 22° 22' 49.372" north, longitude 114° 16' 27.433" east;
- (iii) on the east, by a straight line drawn from position latitude 22° 22' 55.874" north, longitude 114° 16' 27.437" east to position latitude 22° 22' 49.372" north, longitude 114° 16' 27.433" east;
- (iv) on the west, by a straight line drawn from position latitude 22° 22' 55.878" north, longitude 114° 16' 20.446" east to position latitude 22° 22' 49.376" north, longitude 114° 16' 20.441" east.

## Tai Wan Tau

## (e) The area bounded:-

- (i) on the north, by a straight line drawn from position latitude  $22^{\circ} 17' 33.981''$  north, longitude  $114^{\circ} 17' 33.590''$  east to position latitude  $22^{\circ} 17' 33.974''$  north, longitude  $114^{\circ} 17' 44.070''$  east;
- (ii) on the south, by a straight line drawn from position latitude  $22^{\circ} 17' 24.228''$  north, longitude  $114^{\circ} 17' 33.582''$  east to position latitude  $22^{\circ} 17' 24.221''$  north, longitude  $114^{\circ} 17' 44.062''$  east;
- (iii) on the east, by a straight line drawn from position latitude  $22^{\circ} 17' 33.974''$  north, longitude  $114^{\circ} 17' 44.070''$  east to position latitude  $22^{\circ} 17' 24.221''$  north, longitude  $114^{\circ} 17' 44.062''$  east;
- (iv) on the west, by a straight line drawn from position latitude  $22^{\circ} 17' 33.981''$  north, longitude  $114^{\circ} 17' 33.590''$  east to position latitude  $22^{\circ} 17' 24.228''$  north, longitude  $114^{\circ} 17' 33.582''$  east.

## Lung Shan

## (f) The area bounded:-

- (i) on the north, by a straight line drawn from position latitude  $22^{\circ} 29' 55.349''$  north, longitude  $114^{\circ} 09' 20.897''$  east to position latitude  $22^{\circ} 29' 55.351''$  north, longitude  $114^{\circ} 09' 31.393''$  east;
- (ii) on the south, by a straight line drawn from position latitude  $22^{\circ} 29' 45.596''$  north, longitude  $114^{\circ} 09' 20.898''$  east to position latitude  $22^{\circ} 29' 45.598''$  north, longitude  $114^{\circ} 09' 31.394''$  east;
- (iii) on the east, by a straight line drawn from position latitude  $22^{\circ} 29' 55.351''$  north, longitude  $114^{\circ} 09' 31.393''$  east to position latitude  $22^{\circ} 29' 45.598''$  north, longitude  $114^{\circ} 09' 31.394''$  east;
- (iv) on the west, by a straight line drawn from position latitude  $22^{\circ} 29' 55.349''$  north, longitude  $114^{\circ} 09' 20.897''$  east to position latitude  $22^{\circ} 29' 45.596''$  north, longitude  $114^{\circ} 09' 20.898''$  east.

28 June 2024

Communications Authority

**ANNEX D STATUTORY DECLARATION FORM ON PERSONS REGARDED  
AS FIT AND PROPER FOR A UNIFIED CARRIER LICENSEE**

**Statutory Declaration Form on Persons regarded as Fit and Proper  
for a Unified Carrier Licensee**

**Notes :**

- A. Please read carefully the fit and proper person (“FAPP”) requirement under the relevant licence condition, which is set out in Annex 1 for reference (“FAPP licence condition”) and the content of this form including the Schedule and the Annexes hereto before completing this form.
- B. The terms used herein, where applicable, have the same meanings as in the Telecommunications Ordinance (Cap. 106).
- C. Please include Chinese names where applicable.
- D. Please attach additional sheets if required.

IN THE MATTER of the Unified Carrier  
Licence

and

IN THE MATTER of the Oaths and  
Declarations Ordinance (Cap. 11)

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STATUTORY DECLARATION

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I, \_\_\_\_\_ (Name) [HKID No.: \_\_\_\_\_] \_\_\_\_\_ of  
(Address) \_\_\_\_\_, being \_\_\_\_\_ (Company Secretary/Director/Principal Officer) of  
(Licensee) \_\_\_\_\_ [Unique Business Identifier<sup>1</sup>:]  
("the Licensee"), do solemnly and sincerely declare that –

The Licensee and all persons exercising control of the Licensee, whose names are listed in the Schedule attached hereto (each a "relevant person"), are fit and proper persons after careful inquiry and having regard to –

- (1) the business record of the Licensee and each relevant person;
- (2) the record of the Licensee and each relevant person in situations requiring trust and candour;
- (3) the criminal record in Hong Kong of the Licensee and each relevant person in respect of offences under the laws of Hong Kong involving bribery, false accounting, corruption or dishonesty; and
- (4) the criminal record in places outside Hong Kong of the Licensee and each relevant person in respect of conduct which, if done in Hong Kong, would constitute or form part of the criminal record in Hong Kong

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<sup>1</sup> With effect from 27 December 2023, Business Registration Number assigned by the Business Registration Office of the Inland Revenue Department is adopted as the Unique Business Identifier of companies and entities.



Kong of the Licensee and each relevant person as mentioned in (3).

AND I make this solemn declaration conscientiously believing the same to be true and by virtue of the Oaths and Declarations Ordinance (Cap. 11).

(Signed)

DECLARED at [please insert address] in Hong Kong this \_\_\_\_\_ day of \_\_\_\_\_.

Before me,

[Signature and designation, i.e. Justice of the Peace/Notary Public/Commissioner for Oaths/Solicitor]

**Schedule**

All Persons (including individuals and corporations) exercising control of

\_\_\_\_\_ (Licensee) \_\_\_\_\_ as at \_\_\_\_\_ (Date) \_\_\_\_\_

(1) All directors or principal officers of the Licensee

Name

Office Held

(2) All beneficial owners of more than 15% of the voting shares in the Licensee

(3) All voting controllers of more than 15% of voting shares in the Licensee

(4) All persons who have the power, by virtue of any powers conferred by the memorandum or articles of association or other instrument regulating the Licensee or any other corporation, to ensure that the affairs of the Licensee are conducted in accordance with their wishes

## Annex 1 - Fit and Proper Person Licence Condition

### 50<sup>2</sup>. FIT AND PROPER PERSON

- 50.1 The licensee shall be and remain, and shall procure that any person exercising control over the licensee shall be and remain, a fit and proper person during the validity period of this licence.
- 50.2 In determining whether the licensee or any person exercising control over the licensee is a fit and proper person, account shall be taken of –
- (a) the business record of the licensee or person;
  - (b) the record of the licensee or person in situations requiring trust and candour;
  - (c) the criminal record in Hong Kong of the licensee or person in respect of offences under the laws of Hong Kong involving bribery, false accounting, corruption or dishonesty; and
  - (d) the criminal record in places outside Hong Kong of the licensee or person in respect of conduct which, if done in Hong Kong, would constitute or form part of the criminal record in Hong Kong of the licensee or person as mentioned in Special Condition 50.2(c).
- 50.3 Upon the date of issue of this licence, the licensee shall have provided to the Authority a statutory declaration duly made by an authorized director, a secretary or a principal officer of the licensee confirming that the licensee and the persons exercising control over the licensee are fit and proper persons having regard to the matters mentioned in Special Condition 50.2(a) to (d) in a form specified by the Authority.
- 50.4 Upon request by the Authority, the licensee shall provide to the Authority within reasonable time a statutory declaration duly made by an authorized director, a secretary or a principal officer of the licensee confirming that the licensee and all persons exercising control over the licensee are and remain fit and proper persons having regard to the matters mentioned in Special Condition 50.2(a) to (d) in a form specified by the Authority.
- 50.5 Upon request by the Authority, the licensee shall provide to the Authority written authorizations from persons exercising control over the licensee authorizing relevant authorities to release criminal records and other relevant information of those persons to the Authority, to enable the Authority to establish and verify whether the licensee or the persons exercising control over the licensee are and remain fit and proper persons.

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<sup>2</sup> The SC no. may be amended as appropriate for incorporation into the UCL to be issued.

50.6 For the purpose of this Special Condition 50, a person exercises control over the licensee if he or she is –

- (a) a director or principal officer of the licensee;
- (b) the beneficial owner of more than 15% of the voting shares in the licensee;
- (c) a voting controller of more than 15% of the voting shares in the licensee; or
- (d) otherwise has the power, by virtue of any powers conferred by the memorandum or articles of association or other instrument regulating that licensee or any other corporation, to ensure that the affairs of the licensee are conducted in accordance with the wishes of that person.

## Annex 2 - Notes on Interpretation

- (1) For the purpose of interpretation of this form of statutory declaration and the FAPP licence condition,

**“corporation”** means a company as defined in section 2(1) of the Companies Ordinance (Cap 622) or other body corporate.

**“Licensee”** means the entity named in the first page of this form of statutory declaration, being an applicant or holder of a unified carrier licence which is required to complete and submit this form of statutory declaration.

**“principal officer”** means the Chief Executive Officer, Chief Financial Officer, Chief Operating Officer and Chief Technical Officer, or equivalent, of the Licensee.

**“voting control”** means the control of or the ability to control, whether directly or indirectly, the exercise of the right to vote attaching to 1 or more voting shares of the Licensee —

- (a) by the exercise of a right, where such exercise confers the ability to exercise a right to vote or to control the exercise of a right to vote;
- (b) by an entitlement to exercise such a right to vote;
- (c) under a duty or obligation;
- (d) through a nominee;
- (e) through or by means of a trust, agreement or arrangement, understanding or practice, whether or not the trust, agreement or arrangement, understanding or practice has legal or equitable force or is based on legal or equitable rights; or
- (f) as a chargor of voting shares of the Licensee unless the chargee of the voting shares or the nominee of the chargee has given notice in writing to the chargor under the charge of an intention to exercise the right to vote attaching to such voting shares.

**“voting controller”** means a person who either alone or with 1 or more other persons holds voting control.

- (2) Any reference to a person—
- (a) holding or being beneficially entitled to shares in the Licensee; or
  - (b) being a voting controller of any voting shares in the Licensee, shall be construed as a reference to his being so entitled, whether by himself or jointly with other persons, and whether directly or through 1 or more nominees.
- (3) Reference to the business record of the Licensee and each relevant person shall include any record of the Licensee and each of the relevant person being or having been subject to liquidation, bankruptcy or other similar proceedings/orders.

- (4) Reference to the record of the Licensee and each relevant person in situations requiring trust and candour shall include any record of Licensee and each relevant person being or having been censured, disciplined or disqualified by any professional or regulatory body in relation to any trade, business or profession in Hong Kong or elsewhere, or disqualified by a court of competent jurisdiction from being a director of a business entity, etc. in Hong Kong or elsewhere.

**ANNEX E    WORKED EXAMPLE OF THE AUCTION**

## WORKED EXAMPLE OF THE AUCTION

### Introduction

This annex sets out an illustrative and non-exhaustive example of the bidding scenarios that may occur during the bidding process.

The worked example is intended to provide illustration of the Bidding Stage and the application of the auction rules set out in the Notice. For this purpose, the worked example is simplified, purely hypothetical and is not intended to predict or reflect the actual behaviour of Bidders and the actual situation of the Auction.

The worked example is for reference only. Readers should not construe the worked example as any projections, estimates or expectations of any plan, decision or action by the Authority or the Government. The worked example does not prejudice the operation of the auction rules set out in the Notice and the exercise by the Authority of any power thereunder.

### Assumptions of the worked example

The worked example is based on the following assumptions:

- (i) There are 11 Frequency Blocks (A1, A2, B1, B2, B3, B4, B5, B6, B7, B8 and B9) in the 850/900 MHz Bands and 2.3 GHz Band available for auction. Each Frequency Block has a bandwidth of 2 x 5 MHz or 10 MHz and is attributed one EP. The Minimum Fees are set by the Secretary at HK\$40 million each for Frequency Blocks A1 to A2 and Frequency Blocks B1 to B9 as follows:



Frequency Blocks	Bandwidth	Reserve prices	EPs
850/900 MHz Bands			
A1	2 x 5 MHz	HK\$40 million	1
A2	2 x 5 MHz	HK\$40 million	1
2.3 GHz Band			
B1	10 MHz	HK\$40 million	1
B2	10 MHz	HK\$40 million	1
B3	10 MHz	HK\$40 million	1
B4	10 MHz	HK\$40 million	1
B5	10 MHz	HK\$40 million	1
B6	10 MHz	HK\$40 million	1
B7	10 MHz	HK\$40 million	1
B8	10 MHz	HK\$40 million	1
B9	10 MHz	HK\$40 million	1

- (ii) Spectrum assignment through the auction to each Bidder is subject to the Spectrum Cap (i.e. 10 MHz for 850/900 MHz Bands and 50 MHz for 2.3 GHz Band).
- (iii) There are 5 Qualified Bidders to participate in the auction. The number of EPs attributed to each Bidder is determined by the amount of Deposits it has submitted (i.e. 1 EP for every HK\$40 million of Deposit submitted). Subject to the Spectrum Cap, the maximum number of EPs that each Bidder may be given is 6 EPs. For the purpose of the worked example, the EPs given to the Qualified Bidders at the commencement of the Bidding Stage are assumed to be those given in the following table.

Bidders	Deposits submitted	EPs given
M	HK\$240 million	6
N	HK\$240 million	6
O	HK\$200 million	5
P	HK\$120 million	3
Q	HK\$200 million	5

- (iv) The total number of Waivers that may be exercised by a Qualified Bidder is set to be 2 and the total number of Withdrawals that may be

exercised by a Qualified Bidder is set to be 2 at the commencement of the Bidding Stage. In the first Round, submission of a Waiver (active or deemed) or Withdrawal is not allowed or applicable.

- (v) Before the start of each Round, the Authority will notify each Bidder of the following information:
- the date on and the time at which the Round shall start and end;
  - the Round Price for each Frequency Block;
  - the number of Valid Bids received for each Frequency Block in the immediately preceding Round (if any);
  - the Frequency Block in respect of which the Bidder is the Standing Highest Bidder (if any);
  - the amount of the SHB for each Frequency Block (if any);
  - the total number of (remaining) Waivers that may be exercised by the Bidder; and
  - the total number of (remaining) Withdrawals that may be exercised by the Bidder.

**ROUND 1****Bidders' starting EPs:**

Bidders	M	N	O	P	Q
EPs	6	6	5	3	5

**Round details and Bidders' actions:**

Frequency Blocks (Attributed EP)	A1 (1 EP)	A2 (1 EP)	B1 (1 EP)	B2 (1 EP)	B3 (1 EP)	B4 (1 EP)
Round Price	\$40M	\$40M	\$40M	\$40M	\$40M	\$40M
<b>Bidders' actions</b>						
M	Bid	No Bid	Bid	Bid	Bid	Bid
N	Bid	No Bid	No Bid	Bid	Bid	Bid
O	No Bid	Bid	No Bid	Bid	Bid	Bid
P	No Bid	Bid	Bid	Bid	No Bid	No Bid
Q	No Bid	No Bid	Bid	Bid	No Bid	No Bid

Frequency Blocks (Attributed EP)	B5 (1 EP)	B6 (1 EP)	B7 (1 EP)	B8 (1 EP)	B9 (1 EP)
Round Price	\$40M	\$40M	\$40M	\$40M	\$40M
<b>Bidders' actions</b>					
M	Bid	No Bid	No Bid	No Bid	No Bid
N	Bid	No Bid	No Bid	No Bid	No Bid
O	Bid	No Bid	No Bid	No Bid	No Bid
P	No Bid	No Bid	No Bid	No Bid	No Bid
Q	No Bid	No Bid	Bid	Bid	Bid

**Round results:**

<b>Bidder</b>	<b>Frequency Block in respect of which Bidder holds a SHB (Amount of SHB)</b>	<b>Activity Level in terms of EPs</b>	<b>EPs to be attributed to the Bidder in the immediately following Round, if any</b>	<b>Waiver exercised by the Bidder in this Round (Remaining number of Rounds Bidder may exercise Waiver)</b>	<b>Withdrawal exercised by the Bidder in this Round (Remaining number of Rounds Bidder may exercise Withdrawal)</b>
M	B1 (\$40M), B2 (\$40M)	6	6	0(2)	0(2)
N	A1 (\$40M), B3 (\$40M), B5 (\$40M)	5	5	0(2)	0(2)
O	A2 (\$40M), B4 (\$40M)	5	5	0(2)	0(2)
P	-	3	3	0(2)	0(2)
Q	B7 (\$40M), B8 (\$40M), B9 (\$40M)	5	5	0(2)	0(2)

**Round Price**

- In Round 1, the Authority sets Round Price at the level of the minimum fee.

**Determination of SHB**

- For Frequency Block A1, Bids are received from Bidder M and Bidder N. By random, Bidder N is selected as the Standing Highest Bidder.
- For Frequency Block A2, Bids are received from Bidder O and Bidder P. By random, Bidder O is selected as Standing Highest Bidder.
- For Frequency Block B1, Bids are received from Bidder M, Bidder P and Bidder Q. By random, Bidder M is selected as the Standing Highest Bidder.
- For Frequency Block B2, Bids are received from all five Bidders. By random, Bidder M is selected as the Standing Highest Bidder.
- For Frequency Block B3, Bids are received from Bidder M, Bidder N and Bidder O. By random, Bidder N is selected as the Standing Highest Bidder.
- For Frequency Block B4, Bids are received from Bidder M, Bidder N and Bidder O. By random, Bidder O is selected as the Standing Highest Bidder.
- For Frequency Block B5, Bids are received from Bidder M, Bidder N and Bidder O. By random, Bidder N is selected as the Standing Highest Bidder.
- For Frequency Block B6, no Bid is received from any Bidder. There will be no Standing Highest Bidder.
- For Frequency Block B7, only one Bid from Bidder Q is received and Bidder Q is thus the Standing Highest Bidder.
- For Frequency Block B8, only one Bid from Bidder Q is received and Bidder Q is thus the Standing Highest Bidder.
- For Frequency Block B9, only one Bid from Bidder Q is received and Bidder Q is thus the Standing Highest Bidder.

**Activity Level of each Bidder**

- For Bidder M, the Activity Level in this Round is 6 EPs (6 EPs for bidding Frequency Blocks A1, B1, B2, B3, B4 and B5). 6 EPs will be attributed to Bidder M in the immediately following Round.
- For Bidder N, the Activity Level in this Round is 5 EPs (5 EPs for bidding Frequency Blocks A1, B2, B3, B4 and B5). 5 EPs will be attributed to Bidder N in the immediately following Round.
- For Bidder O, the Activity Level in this Round is 5 EPs (5 EPs for bidding Frequency Blocks A2, B2, B3, B4 and B5). 5 EPs will be attributed to Bidder O in the immediately following Round.
- For Bidder P, the Activity Level in this Round is 3 EPs (3 EPs for bidding Frequency Blocks A2, B1 and B2). 3 EPs will be attributed to Bidder P in the

immediately following Round.

- For Bidder Q, the Activity Level in this Round is 5 EPs (5 EPs for bidding Frequency Blocks B1, B2, B7, B8 and B9). 5 EPs will be attributed to Bidder Q in the immediately following Round.

**Note**

- Each Bidder must bid for at least one Frequency Block in Round 1. If a Bidder fails to do so, that Bidder will be disqualified and its Deposit will be forfeited by way of Penalty (up to the full amount of that Bidder's Deposit).
- A bidder is not required to use all the EPs attributed to it at the beginning of the Round. However, a Bidder who reduces its Activity Level in a Round will have its EPs reduced correspondingly in the immediately following Round. In this Round 1, Bidder N is attributed 6 EPs at the beginning of the Round. Its Activity Level in Round 1 is 5 EPs only. EPs attributed to it in the immediately following Round will be reduced to 5 EPs.
- In light of the Spectrum Cap, Bidders are not allowed to bid more than 10 MHz (i.e. 2 x 5 MHz) in the 850/900 MHz Bands and 50 MHz in the 2.3 GHz Band. As such, no Bidder may bid for more than one Frequency Block out of A1 and A2 and five Frequency Blocks out of B1, B2, B3, B4, B5, B6, B7, B8 and B9, irrespective of the number of EPs to which it is attributed.
- Waiver is not allowed in Round 1.
- Withdrawal is not applicable in Round 1 since there is no SHB for any of the Frequency Blocks at the beginning of Round 1.

**ROUND 2****Bidders' starting EPs:**

Bidders	M	N	O	P	Q
EPs	6	5	5	3	5

Frequency Blocks (Attributed EP)	A1 (1 EP)	A2 (1 EP)	B1 (1 EP)	B2 (1 EP)	B3 (1 EP)	B4 (1 EP)
Round Price	\$42M	\$42M	\$42M	\$42M	\$42M	\$42M
<b>Bidders' actions</b>						
M	No Bid	Bid	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>	Bid	Bid
N	Bid <sup>SHB</sup>	No Bid	No Bid	No Bid	Bid <sup>SHB</sup>	Bid
O	No Bid	No Bid <sup>SHB</sup>	No Bid	No Bid	No Bid	No Bid <sup>SHB</sup>
P	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
Q	No Bid	Bid	No Bid	No Bid	No Bid	No Bid

Frequency Blocks (Attributed EP)	B5 (1 EP)	B6 (1 EP)	B7 (1 EP)	B8 (1 EP)	B9 (1 EP)
Round Price	\$42M	\$40M	\$42M	\$42M	\$42M
<b>Bidders' actions</b>					
M	Bid	No Bid	No Bid	No Bid	No Bid
N	Bid <sup>SHB</sup>	Bid	No Bid	No Bid	No Bid
O	Bid	No Bid	Bid	Bid	No Bid
P	Bid	Bid	No Bid	No Bid	Bid
Q	No Bid	Bid	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>

\* <sup>SHB</sup> shown in superscript denotes that the Bidder holds the SHB of the Frequency Block at the end of the immediately preceding Round.

**Round results:**

<b>Bidder</b>	<b>Frequency Block in respect of which Bidder holds a SHB (Amount of SHB)</b>	<b>Activity Level in terms of EPs</b>	<b>EPs to be attributed to the Bidder in the immediately following Round, if any</b>	<b>Waiver exercised by the Bidder in this Round (Remaining number of Rounds Bidder may exercise Waiver)</b>	<b>Withdrawal exercised by the Bidder in this Round (Remaining number of Rounds Bidder may exercise Withdrawal)</b>
M	B1 (\$40M), B2 (\$40M), B3 (\$42M)	6	6	0(2)	0(2)
N	A1 (\$42M), B4 (\$42M)	5	5	0(2)	0(2)
O	B7 (\$42M), B8 (\$42M)	5	5	0(2)	0(2)
P	B5 (\$42M), B9 (\$42M)	3	3	0(2)	0(2)
Q	A2 (\$42M), B6 (\$40M)	5	5	0(2)	0(2)



**Round Price**

- The Authority increases the Round Prices for Frequency Blocks A1, A2, B1, B2, B3, B4, B5, B7, B8 and B9 since at least one Bid is received for each of these Frequency Blocks in Round 1.
- The Authority maintains the Round Price for Frequency Block B6 having taken into account that no Bid is received for the Frequency Block in Round 1.

**Determination of SHB**

- For Frequency Block A1, only one Bid from Bidder N is received and Bidder N is thus the Standing Highest Bidder.
- For Frequency Block A2, Bids are received from Bidder M and Bidder Q. By random, Bidder Q is selected as the Standing Highest Bidder.
- For Frequency Block B1, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder M) will remain as the Standing Highest Bidder of the Frequency Block.
- For Frequency Block B2, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder M) will remain as the Standing Highest Bidder of the Frequency Block.
- For Frequency Block B3, Bids are received from Bidder M and Bidder N. By random, Bidder M is selected as the Standing Highest Bidder.
- For Frequency Block B4, Bids are received from Bidder M and Bidder N. By random, Bidder N is selected as the Standing Highest Bidder.
- For Frequency Block B5, Bids are received from Bidder M, Bidder N, Bidder O and Bidder P. By random, Bidder P is selected as the Standing Highest Bidder.
- For Frequency Block B6, Bids are received from Bidder N, Bidder P and Bidder Q. By random, Bidder Q is selected as the Standing Highest Bidder.
- For Frequency Block B7, only one Bid from Bidder O is received and Bidder O is thus the Standing Highest Bidder.
- For Frequency Block B8, only one Bid from Bidder O is received and Bidder O is thus the Standing Highest Bidder.
- For Frequency Block B9, only one Bid from Bidder P is received and Bidder P is thus the Standing Highest Bidder.

**Activity Level of each Bidder**

- For Bidder M, the Activity Level in this Round is 6 EPs, including 4 EPs for bidding Frequency Blocks A2, B3, B4 and B5 as well as 2 EPs attributed to its SHBs for Frequency Blocks B1 and B2 at the end of the immediately preceding Round. 6 EPs will be attributed to Bidder M in the immediately following Round.

- For Bidder N, the Activity Level in this Round is 5 EPs, including 5 EPs for bidding Frequency Blocks A1, B3, B4, B5 and B6. Given that Bidder N has submitted Bids for Frequency Blocks A1, B3 and B5 despite their SHB status, no extra EP is attributed to its SHBs for Frequency Blocks A1, B3 and B5. 5 EPs will be attributed to Bidder N in the immediately following Round.
- For Bidder O, the Activity Level in this Round is 5 EPs, including 3 EPs for bidding Frequency Blocks B5, B7 and B8 as well as 2 EPs attributed to its SHBs for Frequency Blocks A2 and B4 at the end of the immediately preceding Round. 5 EPs will be attributed to Bidder O in the immediately following Round.
- For Bidder P, the Activity Level in this Round is 3 EPs, including 3 EPs for bidding Frequency Blocks B5, B6 and B9. 3 EPs will be attributed to Bidder P in the immediately following Round.
- For Bidder Q, the Activity Level in this Round is 5 EPs, including 2 EPs for bidding Frequency Blocks A2 and B6 as well as 3 EPs attributed to its SHBs for Frequency Blocks B7, B8 and B9 at the end of the immediately preceding Round. 5 EPs will be attributed to Bidder Q in the immediately following Round.

**Note**

- From Round 2 onwards, Bidders may submit Waiver in lieu of taking any action to maintain their EPs. Each Bidder may submit or be deemed to submit a Waiver in a maximum of 2 Rounds.
- From Round 2 onwards, Bidders may submit Withdrawal for their SHBs (if any). Each Bidder may exercise a Withdrawal in a maximum of 2 Rounds.
- Bidders are free to switch and submit Bids for Frequency Block(s) of their choice from Round to Round. For example, Bidder Q bids for Frequency Blocks B1 and B2 in Round 1 but switches to bid Frequency Blocks A2 and B6 in Round 2 (which it did not bid for in Round 1).
- Where a Bidder holds a SHB in respect of a Frequency Block at the end of the immediately preceding Round, it may decide whether or not to submit a Bid for that Frequency Block in this Round in accordance with its own commercial decision and bidding strategies. For example, Bidder N elects to submit Bids for Frequency Blocks A1, B3 and B5 in this Round although it is holding SHBs for these Frequency Blocks. On the other hand, Bidder M elects not to submit a Bid for Frequency Blocks B1 and B2 and relies on its SHB in the immediately preceding Round.

**ROUND 3****Bidders' starting EPs:**

Bidders	M	N	O	P	Q
EPs	6	5	5	3	5

**Round details and Bidders' actions:**

Frequency Blocks (Attributed EP)	A1 (1 EP)	A2 (1 EP)	B1 (1 EP)	B2 (1 EP)	B3 (1 EP)	B4 (1 EP)
Round Price	\$45M	\$45M	\$42M	\$42M	\$45M	\$45M
<b>Bidders' actions</b>						
M	No Bid	Bid	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>	Bid
N	No Bid <sup>SHB</sup>	No Bid	Bid	Bid	Bid	No Bid <sup>SHB</sup>
O	No Bid	Bid	No Bid	Bid	No Bid	No Bid
P	No Bid	No Bid	Bid	Bid	No Bid	No Bid
Q	No Bid	No Bid <sup>SHB</sup>	No Bid	No Bid	No Bid	No Bid

Frequency Blocks (Attributed EP)	B5 (1 EP)	B6 (1 EP)	B7 (1 EP)	B8 (1 EP)	B9 (1 EP)
Round Price	\$45M	\$42M	\$45M	\$45M	\$45M
<b>Bidders' actions</b>					
M	No Bid	No Bid	No Bid	No Bid	No Bid
N	No Bid	No Bid	No Bid	No Bid	No Bid
O	No Bid	No Bid	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>	Bid
P	Withdrawal <sup>SHB</sup>	No Bid	No Bid	No Bid	Withdrawal <sup>SHB</sup>
Q	No Bid	No Bid <sup>SHB</sup>	Bid	Bid	No Bid

\* <sup>SHB</sup> shown in superscript denotes that the Bidder holds the SHB of the Frequency Block at the end of the immediately preceding Round.

**Round results:**

<b>Bidder</b>	<b>Frequency Block in respect of which Bidder holds a SHB (Amount of SHB)</b>	<b>Activity Level in terms of EPs</b>	<b>EPs to be attributed to the Bidder in the immediately following Round, if any</b>	<b>Waiver exercised by the Bidder in this Round (Remaining number of Rounds Bidder may exercise Waiver)</b>	<b>Withdrawal exercised by the Bidder in this Round (Remaining number of Rounds Bidder may exercise Withdrawal)</b>
M	B4 (\$45M)	5	5	0(2)	0(2)
N	A1 (\$42M), B1 (\$42M), B3 (\$45M)	5	5	0(2)	0(2)
O	A2 (\$45M), B2 (\$42M), B9 (\$45M)	5	5	0(2)	0(2)
P	-	2	2	0(2)	1(1)
Q	B6 (\$40M), B7 (\$45M), B8 (\$45M)	4	4	0(2)	0(2)

**Round Price**

- The Authority increases the Round Prices for Frequency Blocks A1, A2, B3, B4, B5, B6, B7 B8 and B9 since at least one Bid is received for each of these Frequency Blocks in Round 2.
- The Authority maintains the Round Prices for Frequency Blocks B1 and B2, having taken into account that no Bid is received for these Frequency Blocks in Round 2.

**Determination of SHB**

- For Frequency Block A1, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder N) will remain as the Standing Highest Bidder of the Frequency Block.
- For Frequency Block A2, Bids are received from Bidder M and Bidder O. By random, Bidder O is thus the Standing Highest Bidder.
- For Frequency Block B1, Bids are received from Bidder N and Bidder P. By random, Bidder N is selected as the Standing Highest Bidder.
- For Frequency Block B2, Bids are received from Bidder N, Bidder O and Bidder P. By random, Bidder O is selected as the Standing Highest Bidder.
- For Frequency Block B3, only one Bid from Bidder N is received and Bidder N is thus the Standing Highest Bidder.
- For Frequency Block B4, only one Bid from Bidder M is received and Bidder M is thus the Standing Highest Bidder.
- For Frequency Block B5, no Bid is received from any Bidder. In addition, since the Standing Highest Bidder for Frequency Block B5 at the end of immediately preceding Round (i.e. Bidder P) submits a Withdrawal, there is no Standing Highest Bidder for the Frequency Block.
- For Frequency Block B6, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder Q) will remain as the Standing Highest Bidder of the Frequency Block.
- For Frequency Block B7, only one Bid from Bidder Q is received and Bidder Q is thus the Standing Highest Bidder.
- For Frequency Block B8, only one Bid from Bidder Q is received and Bidder Q is selected as the Standing Highest Bidder.
- For Frequency Block B9, only one Bid from Bidder O is received and Bidder O is thus the Standing Highest Bidder. In addition, the Standing Highest Bidder for Frequency Block B9 at the end of immediately preceding Round (i.e. Bidder P) submits a Withdrawal.

**Activity Level of each Bidder**

- For Bidder M, the Activity Level in this Round is 5 EPs, including 2 EPs for bidding Frequency Blocks A2 and B4 as well as 3 EPs attributed to its SHBs for Frequency Blocks B1, B2 and B3 at the end of the immediately preceding Round. 5 EPs will be attributed to Bidder M in the immediately following Round.
- For Bidder N, the Activity Level in this Round is 5 EPs, including 3 EPs for bidding Frequency Blocks B1, B2 and B3 as well as 2 EPs attributed to its SHBs for Frequency Blocks A1 and B4 at the end of the immediately preceding Round. 5 EPs will be attributed to Bidder N in the immediately following Round.
- For Bidder O, the Activity Level in this Round is 5 EPs, including 3 EPs for bidding Frequency Blocks A2, B2 and B9 as well as 2 EPs attributed to its SHBs for Frequency Blocks B7 and B8 at the end of the immediately preceding Round. 5 EPs will be attributed to Bidder O in the immediately following Round.
- For Bidder P, the Activity Level in this Round is 2 EPs, including 2 EPs for bidding Frequency Blocks B1 and B2. 2 EPs will be attributed to Bidder P in the immediately following Round.
- For Bidder Q, the Activity Level in this Round is 4 EPs, including 2 EPs for bidding Frequency Blocks B7 and B8 as well as 2 EPs attributed to its SHBs for Frequency Blocks A2 and B6 at the end of the immediately preceding Round. 4 EPs will be attributed to Bidder Q in the immediately following Round.

**Note**

- At the end of Round 2, Bidder P holds the SHB for Frequency Blocks B5 and B9. In Round 3, Bidder P submits Withdrawals for Frequency Blocks B5 and B9. Where a bidder submits Withdrawals for more than 1 Frequency Block in the same Round, the number of Withdrawals is counted as 1. Accordingly, the total number of Withdrawals which may be submitted by Bidder P in the remaining Rounds will be reduced to 1.
- In submitting a Withdrawal, Bidder P may be subject to a liability if there is no subsequent Bid for the Frequency Block equal to or higher than its withdrawn SHB (see the calculation of liabilities for Withdrawals at the end of the worked example, as shown after Round 6).
- Further, the withdrawn SHB is not counted towards Bidder P's Activity Level.

**ROUND 4****Bidders' starting EPs:**

Bidders	M	N	O	P	Q
EPs	5	5	5	2	4

**Round details and Bidders' actions:**

Frequency Blocks (Attributed EP)	A1 (1 EP)	A2 (1 EP)	B1 (1 EP)	B2 (1 EP)	B3 (1 EP)	B4 (1 EPs)
Round Price	\$45M	\$47M	\$45M	\$45M	\$47M	\$47M
<b>Bidders' actions</b>						
M	Waiver	Waiver	Waiver	Waiver	Waiver	Waiver <sup>SHB</sup>
N	No Bid <sup>SHB</sup>	No Bid	No Bid <sup>SHB</sup>	Bid	No Bid <sup>SHB</sup>	Bid
O	Deemed Waiver	Deemed Waiver <sup>SHB</sup>	Deemed Waiver	Deemed Waiver <sup>SHB</sup>	Deemed Waiver	Deemed Waiver
P	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
Q	Bid	No Bid	No Bid	No Bid	No Bid	No Bid

Frequency Blocks (Attributed EP)	B5 (1 EP)	B6 (1 EP)	B7 (1 EP)	B8 (1 EP)	B9 (1 EP)
Round Price	\$43M	\$42M	\$47M	\$47M	\$47M
<b>Bidders' actions</b>					
M	Waiver	Waiver	Waiver	Waiver	Waiver
N	No Bid	No Bid	No Bid	No Bid	No Bid
O	Deemed Waiver	Deemed Waiver	Deemed Waiver	Deemed Waiver	Deemed Waiver <sup>SHB</sup>
P	No Bid	No Bid	No Bid	No Bid	No Bid
Q	No Bid	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>	No Bid

\* <sup>SHB</sup> shown in superscript denotes that the Bidder holds the SHB of the Frequency Block at the end of the immediately preceding Round.

**Round results:**

<b>Bidder</b>	<b>Frequency Block in respect of which Bidder holds a SHB (Amount of SHB)</b>	<b>Activity Level in terms of EPs</b>	<b>EPs to be attributed to the Bidder in the immediately following Round, if any</b>	<b>Waiver exercised by the Bidder in this Round (Remaining number of Rounds Bidder may exercise Waiver)</b>	<b>Withdrawal exercised by the Bidder in this Round (Remaining number of Rounds Bidder may exercise Withdrawal)</b>
M	-	0	5	1(1)	0(2)
N	B1 (\$42M), B2 (\$45M), B3 (\$45M), B4 (\$47M)	5	5	0(2)	0(2)
O	A2 (\$45M), B9 (\$45M)	0	5	1(1)	0(2)
P	-	0	0	0(2)	0(1)
Q	A1 (\$45M), B6 (\$40M), B7 (\$45M), B8 (\$45M)	4	4	0(2)	0(2)



**Round Price**

- The Authority increases the Round Prices for Frequency Blocks A2, B1, B2, B3, B4, B7, B8 and B9, since at least one Bid is received for each of these Frequency Blocks in Round 3.
- The Authority reduces the Round Price for Frequency Block B5 having taken into account that the Standing Highest Bidder of this Frequency Block at the beginning of Round 3 (i.e. Bidder P) withdraws its SHB and no other bid is received for this Frequency Block in that Round.
- The Authority maintains the Round Prices for Frequency Blocks A1 and B6, having taken into account that no Bid is received for these Frequency Blocks in Round 3.

**Determination of SHB**

- For Frequency Block A1, only one Bid from Bidder Q is received and Bidder Q is thus the Standing Highest Bidder.
- For Frequency Block A2, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder O) will remain as the Standing Highest Bidder of the Frequency Block.
- For Frequency Block B1, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder N) will remain as the Standing Highest Bidder of the Frequency Block.
- For Frequency Block B2, only one Bid from Bidder N is received and Bidder N is thus the Standing Highest Bidder.
- For Frequency Block B3, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder N) will remain as the Standing Highest Bidder of the Frequency Block.
- For Frequency Block B4, only one Bid from Bidder N is received and Bidder N is thus the Standing Highest Bidder.
- For Frequency Block B5, no Bid is received from any Bidder. There is still no Standing Highest Bidder for the Frequency Block.
- For Frequency Block B6, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder Q) will remain as the Standing Highest Bidder of the Frequency Block.
- For Frequency Block B7, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder Q) will remain as the Standing Highest Bidder of the Frequency Block.
- For Frequency Block B8, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder Q) will remain as the Standing Highest Bidder of the Frequency Block.

- For Frequency Block B9, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder O) will remain as the Standing Highest Bidder of the Frequency Block.

#### **Activity Level of each Bidder**

- For Bidder M, a Waiver is submitted. 5 EPs will be attributed to Bidder M in the immediately following Round (based on its Activity Level in Round 3, the most immediately preceding Round in which Bidder M did not submit or was not deemed to have submitted a Waiver).
- For Bidder N, the Activity Level in this Round is 5 EPs, including 2 EPs for bidding Frequency Blocks B2 and B4 as well as 3 EPs attributed to its SHBs for Frequency Blocks A1, B1 and B3 at the end of the immediately preceding Round. 5 EPs will be attributed to Bidder N in the immediately following Round.
- For Bidder O, it has taken no action and it is deemed to have submitted a Waiver. The EPs attributed to Bidder O in the immediately following Round will be 5 EPs (based on its Activity Level in Round 3, the most immediately preceding Round in which Bidder O did not submit or was not deemed to have submitted a Waiver).
- For Bidder P, the Activity Level in this Round is 0 EP as it explicitly decided not to submit a Bid for any Frequency Block and does not hold any SHB. 0 EP will be attributed to Bidder P in the immediately following Round.
- For Bidder Q, the Activity Level in this Round is 4 EPs, including 1 EP for bidding Frequency Block A1 as well as 3 EPs attributed to its SHBs for Frequency Blocks B6, B7 and B8 at the end of the immediately preceding Round. 4 EPs will be attributed to Bidder Q in the immediately following Round.

#### **Note**

- A Bidder may actively submit a Waiver or may be deemed to submit a Waiver if it fails to take any action in a Round (provided that its entitlement to Waiver is not yet exhausted). Under both situations, the EPs of the Bidder are maintained at the same level of the most immediately preceding Round in which the bidder did not submit or was not deemed to have submitted a waiver. In this Round, Bidder M actively submits a Waiver whereas Bidder O takes no action and is deemed to have submitted a Waiver.
- Bidder P electing not to submit any Bid in this Round is different from the situation of Bidder O which takes no action at all and is deemed to have submitted a Waiver for this Round. Bidder P does not hold any SHB at the end of Round 3. In this Round 4, Bidder P elects not to submit any Bid (without exercising a Waiver actively or in a deemed manner) so that its Activity Level becomes 0 EP. The EP attributed to Bidder P in the immediately following Round will be 0 EP.

Bidder P will not be eligible to participate in Round 5 and onwards.

**ROUND 5****Bidders' starting EPs:**

Bidders	M	N	O	P	Q
EPs	5	5	5	0	4

**Round details and Bidders' actions:**

Frequency Blocks (Attributed EP)	A1 (1 EP)	A2 (1 EP)	B1 (1 EP)	B2 (1 EP)	B3 (1 EP)	B4 (1 EP)
Round Price	\$47M	\$47M	\$45M	\$47M	\$47M	\$50M
<b>Bidders' actions</b>						
M	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
N	No Bid	No Bid	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>	Withdrawal <sup>SHB</sup>
O	No Bid	No Bid <sup>SHB</sup>	No Bid	No Bid	No Bid	No Bid
P	-	-	-	-	-	-
Q	No Bid <sup>SHB</sup>	No Bid	No Bid	No Bid	No Bid	No Bid

Frequency Blocks (Attributed EP)	B5 (1 EP)	B6 (1 EP)	B7 (1 EP)	B8 (1 EP)	B9 (1 EP)
Round Price	\$41M	\$42M	\$47M	\$47M	\$47M
<b>Bidders' actions</b>					
M	Bid	Bid	No Bid	No Bid	No Bid
N	Bid	Bid	No Bid	No Bid	No Bid
O	Bid	Bid	No Bid	No Bid	No Bid <sup>SHB</sup>
P	-	-	-	-	-
Q	No Bid	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>	No Bid

\* <sup>SHB</sup> shown in superscript denotes that the Bidder holds the SHB of the Frequency Block at the end of the immediately preceding Round.

**Round results:**

<b>Bidder</b>	<b>Frequency Block in respect of which Bidder holds a SHB (Amount of SHB)</b>	<b>Activity Level in terms of Eps</b>	<b>EPs to be attributed to the Bidder in the immediately following Round, if any</b>	<b>Waiver exercised by the Bidder in this Round (Remaining number of Rounds Bidder may exercise Waiver)</b>	<b>Withdrawal exercised by the Bidder in this Round (Remaining number of Rounds Bidder may exercise Withdrawal)</b>
M	B5 (\$41M), B6 (\$42M)	2	2	0(1)	0(2)
N	B1 (\$42M), B2 (\$45M), B3 (\$45M)	5	5	0(2)	1(1)
O	A2 (\$45M), B9 (\$45M)	4	4	0(1)	0(2)
P	-	0	0	0(2)	0(1)
Q	A1 (\$45M), B7 (\$45M), B8 (\$45M)	4	4	0(2)	0(2)

**Round Price**

- The Authority increases the Round Prices for Frequency Blocks A1, B2 and B4 since at least one Bid is received for each of these Frequency Blocks in Round 4.
- The Authority further reduces the Round Price for Frequency Block B5 for which the Standing Highest Bidder (i.e. Bidder P) has withdrawn its SHB in Round 3 and no Bid is received in Round 4.
- The Authority maintains the Round Prices for Frequency Blocks A2, B1, B3, B6, B7, B8 and B9, having taken into account that no Bid is received for these Frequency Blocks in Round 4.

**Determination of SHB**

- For Frequency Block A1, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder Q) will remain as the Standing Highest Bidder of the Frequency Block.
- For Frequency Block A2, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder O) will remain as the Standing Highest Bidder of the Frequency Block.
- For Frequency Block B1, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder N) will remain as the Standing Highest Bidder of the Frequency Block.
- For Frequency Block B2, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder N) will remain as the Standing Highest Bidder of the Frequency Block.
- For Frequency Block B3, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder N) will remain as the Standing Highest Bidder of the Frequency Block.
- For Frequency Block B4, no Bid is received from any Bidder. In addition, since the Standing Highest Bidder for Frequency Block B4 at the end of immediately preceding Round (i.e. Bidder N) submits a Withdrawal, there is no Standing Highest Bidder for the Frequency Block.
- For Frequency Block B5, Bids are received from Bidder M, Bidder N and Bidder O. By random, Bidder M is selected as the Standing Highest Bidder.
- For Frequency Block B6, Bids are received from Bidder M, Bidder N and Bidder O. By random, Bidder M is selected as the Standing Highest Bidder.
- For Frequency Block B7, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder Q) will remain as the Standing Highest Bidder of the Frequency Block.
- For Frequency Block B8, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder Q) will remain as

the Standing Highest Bidder for the Frequency Block.

- For Frequency Block B9, no Bid is received from any Bidder. The Standing Highest Bidder in the immediately preceding Round (i.e. Bidder O) will remain as the Standing Highest Bidder of the Frequency Block.

**Activity Level of each Bidder**

- For Bidder M, the Activity Level in this Round is 2 EPs, including 2 EPs for bidding Frequency Blocks B5 and B6. 2 EPs will be attributed to Bidder M in the immediately following Round.
- For Bidder N, the Activity Level in this Round is 5 EPs, including 2 EPs for bidding Frequency Blocks B5 and B6 as well as the 3 EPs attributed to its SHBs for Frequency Blocks B1, B2 and B3 at the end of the immediately preceding Round. 5 EPs will be attributed to Bidder N in the immediately following Round.
- For Bidder O, the Activity Level in this Round is 4 EPs, including 2 EPs for bidding Frequency Blocks B5 and B6 as well as 2 EPs attributed to its SHBs for Frequency Blocks A2 and B9. 4 EPs will be attributed to Bidder O in the immediately following Round.
- For Bidder Q, the Activity Level in this Round is 4 EPs, viz. 4 EPs attributed to its SHBs for Frequency Blocks A1, B6, B7 and B8 at the end of the immediately preceding Round. 4 EPs will be attributed to Bidder Q in the immediately following Round.

**Note**

- Where the number of EPs attributed to all SHBs of the Bidder at the end of the immediately preceding Round is equal to the number of EPs attributed to the Bidder in the current Round (e.g. Bidder Q), the Activity Level of the Bidder will be equal to the number of EPs attributed to it even if it submits no Bid or fails to submit any Bid in the current Round. In such case, Waiver (active or deemed) will not be applicable.

**ROUND 6 (Final Round)****Bidders' starting EPs:**

Bidders	M	N	O	P	Q
EPs	2	5	4	0	4

**Round details and Bidders' actions:**

Frequency Blocks (Attributed EP)	A1 (1 EP)	A2 (1 EP)	B1 (1 EP)	B2 (1 EP)	B3 (1 EP)	B4 (1 EP)
Round Price	\$47M	\$47M	\$45M	\$47M	\$47M	\$48M
<b>Bidders' actions</b>						
M	No Bid	No Bid	No Bid	No Bid	No Bid	No Bid
N	No Bid	No Bid	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>	No Bid
O	No Bid	No Bid <sup>SHB</sup>	No Bid	No Bid	No Bid	No Bid
P	-	-	-	-	-	-
Q	No Bid <sup>SHB</sup>	No Bid	No Bid	No Bid	No Bid	No Bid

Frequency Blocks (Attributed EP)	B5 (1 EP)	B6 (1 EP)	B7 (1 EP)	B8 (1 EP)	B9 (1 EP)
Round Price	\$43M	\$45M	\$47M	\$47M	\$47M
<b>Bidders' actions</b>					
M	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>	No Bid	No Bid	No Bid
N	No Bid	No Bid	No Bid	No Bid	No Bid
O	No Bid	No Bid	No Bid	No Bid	No Bid <sup>SHB</sup>
P	-	-	-	-	-
Q	No Bid	No Bid	No Bid <sup>SHB</sup>	No Bid <sup>SHB</sup>	No Bid

\* <sup>SHB</sup> shown in superscript denotes that the Bidder holds the SHB of the Frequency Block at the end of the immediately preceding Round.



**Round results:**

<b>Bidder</b>	<b>Frequency Block in respect of which Bidder holds a SHB (Amount of SHB)</b>	<b>Activity Level in terms of EPs</b>	<b>EPs to be attributed to the Bidder in the immediately following Round, if any</b>	<b>Waiver exercised by the Bidder in this Round (Remaining number of Rounds Bidder may exercise Waiver)</b>	<b>Withdrawal exercised by the Bidder in this Round (Remaining number of Rounds Bidder may exercise Withdrawal)</b>
M	B5 (\$41M), B6 (\$42M)	2	2	0(1)	0(2)
N	B1 (\$42M), B2 (\$45M), B3 (\$45M)	3	3	0(2)	0(1)
O	A2 (\$45M), B9 (\$45M)	2	2	0(1)	0(2)
P	-	-	-	-	-
Q	A1 (\$45M), B7 (\$45M), B8 (\$45M)	3	3	0(2)	0(2)

**Round Price**

- The Authority increases the Round Prices for Frequency Blocks B5 and B6 since at least one Bid is received for these Frequency Blocks in Round 5.
- The Authority reduces the Round Price for Frequency Block B4 having taken into account that the Standing Highest Bidder of this Frequency Block at the beginning of Round 5 (i.e. Bidder N) withdraws its SHB and no other bid is received for this Frequency Block in that Round.
- The Authority maintains the Round Prices for Frequency Blocks A1, A2, B1, B2, B3, B7, B8 and B9, having taken into account that no Bid is received for these Frequency Blocks in Round 5.

**Conclusion of Bidding Stage and determination of Provisional Successful Bidder**

- In this Round, no Bids, no Withdrawals and no Waivers are submitted by any of the Bidders. The Bidding Stage ends.
- For Frequency Block A1, Bidder Q is the Standing Highest Bidder and thus becomes the Provisional Successful Bidder of the Frequency Block. The Spectrum Utilization Fee is the SHB of HK\$45M.
- For Frequency Block A2, Bidder O is the Standing Highest Bidder and thus becomes the Provisional Successful Bidder of the Frequency Block. The Spectrum Utilization Fee is the SHB of HK\$45M.
- For Frequency Block B1, Bidder N is the Standing Highest Bidder and thus becomes the Provisional Successful Bidder of the Frequency Block. The spectrum Utilization Fee is the SHB of HK\$42M.
- For Frequency Block B2, Bidder N is the Standing Highest Bidder and thus becomes the Provisional Successful Bidder of the Frequency Block. The Spectrum Utilization Fee is the SHB of HK\$45M.
- For Frequency Block B3, Bidder N is the Standing Highest Bidder and thus becomes the Provisional Successful Bidder of the Frequency Block. The Spectrum Utilization Fee is the SHB of HK\$45M.
- For Frequency Block B4, there is no Standing Highest Bidder and thus no Provisional Successful Bidder.
- For Frequency Block B5, Bidder M is the Standing Highest Bidder and thus becomes the Provisional Successful Bidder of the Frequency Block. The Spectrum Utilization Fee is the SHB of HK\$41M.
- For Frequency Block B6, Bidder M is the Standing Highest Bidder and thus becomes the Provisional Successful Bidder of the Frequency Block. The Spectrum Utilization Fee is the SHB of HK\$42M.
- For Frequency Block B7, Bidder Q is the Standing Highest Bidder and thus becomes the Provisional Successful Bidder of the Frequency Block. The

Spectrum Utilization Fee is the SHB of HK\$45M.

- For Frequency Block B8, Bidder Q is the Standing Highest Bidder and thus becomes the Provisional Successful Bidder of the Frequency Block. The Spectrum Utilization Fee is the SHB of HK\$45M.
- For Frequency Block B9, Bidder O is the Standing Highest Bidder and thus becomes the Provisional Successful Bidder of the Frequency Block. The Spectrum Utilization Fee is the SHB of HK\$45M.

### **Calculation of liabilities for Withdrawals**

- Where a Bidder submits a Withdrawal of its SHB and all the subsequent Bids are lower than the Bidder's withdrawn SHB, the Bidder will be liable to pay the Government the difference between its withdrawn SHB and the amount of the next subsequent highest Valid Bid (irrespective of whether the next subsequent highest Valid Bid is withdrawn or whether it is determined as the Spectrum Utilization Fee), subject to a maximum amount of 30% of the withdrawn SHB.
- In Round 3, Bidder P submits a Withdrawal for its SHB for Frequency Block B5 at HK\$42M. Since the next subsequent highest Valid Bid for Frequency Block B5 is HK\$41M submitted by Bidder M in Round 5, which is lower than the amount of the withdrawn SHB, Bidder P is liable for the difference between the withdrawn SHB and the next subsequent highest Valid Bid (i.e. HK\$42M – HK\$41M = HK\$1M). The maximum liability at 30% of the withdrawn SHB (i.e. HK\$42M x 30% = HK\$12.6M) does not apply.
- In Round 3, Bidder P submits a Withdrawal for its SHB for Frequency Block B9 at HK\$42M. Since the next subsequent highest Valid Bid for Frequency Block B9 is HK\$45M submitted by Bidder O in Round 3, which is higher than the amount of the withdrawn SHB, Bidder P is not subject to any liability because of the Withdrawal.
- In Round 5, Bidder N submits a Withdrawal for its SHB for Frequency Block B4 at HK\$47M. Since there is no subsequent Bid for Frequency Block B4, Bidder N is liable for 30% of the withdrawn SHB (i.e. HK\$47M x 30% = HK\$14.1M).

**ANNEX F      GLOSSARY OF TERMS**

## GLOSSARY OF TERMS

For the purpose of this Memorandum, terms and expressions used therein are as defined in the Notice (Annex B of this Memorandum) and in this Annex, unless the context otherwise requires. In case of any discrepancy, the Notice prevails over this Annex.

<b>850 MHz Band</b>	The frequency range of 832.5 – 837.5 MHz paired with 877.5 – 882.5 MHz;
<b>900 MHz Band</b>	The frequency range of 885.0 – 890.0 MHz paired with 930.0 – 935.0 MHz;
<b>850/900 MHz Bands</b>	Collectively the 850 MHz Band and 900 MHz Band;
<b>2.3 GHz Band</b>	The frequency range of 2300 – 2390 MHz;
<b>3GPP</b>	3rd Generation Partnership Project;
<b>Activity Level</b>	The activity level defined in paragraph 4.9.5 of the Notice;
<b>Application</b>	An application submitted by a Bidder to the Authority in writing in accordance with Part 2 of the Notice;
<b>Application Dates</b>	19 September 2024 and 20 September 2024;
<b>Application Form</b>	The form specified in Appendix 4 of the Notice;
<b>Application Stage</b>	The stage specified in Part 2 of the Notice;
<b>Approval</b>	Any shareholder approval which is required by law or any regulatory authority before a Licence is granted to a Bidder and which is not capable of being reasonably obtained prior to the date on which the Application by that Bidder is submitted in accordance with Part 2 of the Notice;

<b>Auction</b>	The procedure specified in the Notice;
<b>Authority</b>	The Communications Authority established under the Communications Authority Ordinance (Cap. 616, Laws of Hong Kong) on 1 April 2012, or if the context refers to any performance of a function or exercise of a power by the Authority's predecessor before that date, it means the former Telecommunications Authority;
<b>Authority's Account</b>	The designated account of the Authority in the name of "Office of the Communications Authority" at the Deposit Bank, namely the account 012-899-1-003883-3 at Bank of China or the account 004-048-203558-292 at HSBC;
<b>Authority's Website</b>	Refers to either the website of the Communications Authority at <a href="https://www.coms-auth.hk">https://www.coms-auth.hk</a> or the website of the Office of the Communications Authority at <a href="https://www.ofca.gov.hk">https://www.ofca.gov.hk</a> , as the case may be;
<b>Banking Ordinance</b>	The Banking Ordinance (Cap. 155, Laws of Hong Kong);
<b>Bid</b>	The amount of Spectrum Utilization Fee, expressed in Hong Kong Dollars, a Bidder wishes to offer in relation to a Frequency Block in the Auction;
<b>Bidder</b>	A body corporate which submits or has submitted an Application;
<b>Bidder Compliance Certificate</b>	The certificate specified in Appendix 5 of the Notice;
<b>Bidder Notice</b>	The notice published by the Authority in accordance with paragraph 3.1.1 of the Notice;

<b>Bidding Stage</b>	The stage specified in Part 4 of the Notice;
<b>Bidding Stage Notice</b>	The notice published by the Authority in accordance with paragraph 4.3.1 of the Notice;
<b>Business Day</b>	A full day other than a Saturday or a Sunday on which banks in Hong Kong are open for general business;
<b>CO</b>	The Competition Ordinance (Cap. 619, Laws of Hong Kong);
<b>Conditions</b>	The General Conditions and Special Conditions to which the Licence is subject, substantially in the form set out in Appendix 1 of the Notice and as may be modified or amended as the Authority considers necessary;
<b>Confidential Information</b>	The information defined in paragraph 6.5.5 of the Notice;
<b>Connected Bidder</b>	A Bidder that has a Connection to another Bidder;
<b>Connected Bidder Statutory Declaration</b>	The statutory declaration referred to in paragraph 3.1.2 or paragraph 4.14.2 of the Notice and in the form specified in Appendix 7 of the Notice;
<b>Connected Provisional Successful Bidders</b>	The Bidders defined in paragraph 4.14.3 of the Notice;

<b>Connection</b>	<p>A company (Company A) is taken to have a Connection to another company (Company B) if -</p> <ul style="list-style-type: none"> <li>(a) Company A holds a material interest in Company B;</li> <li>(b) Company B holds a material interest in Company A;</li> </ul> <p>or</p> <ul style="list-style-type: none"> <li>(c) a person holds a material interest in both Company A and Company B;</li> </ul> <p>Material interest is defined in paragraph 1.5 of the Notice;</p>
<b>Customer Complaint Settlement Scheme</b>	<p>A mediation scheme set up by the telecommunications industry that aims to resolve billing disputes in deadlock between telecommunications service providers and their customers;</p>
<b>Deposit</b>	<p>A sum in cash or by a Letter of Credit from a Qualifying Bank;</p>
<b>Deposit Bank</b>	<p>Bank of China, Hong Kong Branch at Ground Floor, Wu Chung House, 213 Queen’s Road East, Wanchai, Hong Kong (“Bank of China”)</p> <p>or</p> <p>The Hongkong and Shanghai Banking Corporation Limited, Head Office, 1 Queen's Road Central, Hong Kong (“HSBC”);</p>
<b>Designated Areas</b>	<p>The Designated Areas specified by the Authority in G.N. 3738 of 2024 for the purpose of section 8A(1) of the Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) Regulation (Cap. 106AG, Laws of Hong Kong) and may be amended by the Authority as and when necessary;</p>
<b>Eligibility Point / EP</b>	<p>A number of points defined in paragraph 4.9 of the Notice;</p>



<b>Fixed Mobile Number Portability</b>	The capability of telecommunications networks enabling a customer to retain his / her assigned or allocated number(s) / access code(s) when changing the subscription from a fixed network operator to a mobile network operator, or vice versa;
<b>Frequency Block</b>	A frequency block specified in Appendix 2 of the Notice;
<b>Frequency Block Selection Form</b>	The form specified in Appendix 8 of the Notice;
<b>Gazette</b>	The print medium where Government decisions are announced;
<b>Government</b>	The Government of the Hong Kong Special Administrative Region of the People's Republic of China;
<b>Grant Stage</b>	The stage specified in Part 5 of the Notice;
<b>Hong Kong</b>	The Hong Kong Special Administrative Region of the People's Republic of China;
<b>Hong Kong Dollars / HK\$</b>	The valid currency for the time being of Hong Kong;
<b>Insider</b>	<p>Any person, in relation to a Bidder, to whom Confidential Information is disclosed directly or indirectly by a person -</p> <ul style="list-style-type: none"> <li>(a) who is an officer, employee, agent, adviser or associate of that Bidder;</li> <li>(b) who controls, or is controlled by, or is under common control with, that Bidder, or the officer, employee, agent, adviser or associate, partner or co-partner of that person; or</li> <li>(c) who is an Insider in relation to that Bidder;</li> </ul>

<b>Letter of Credit</b>	<p>A letter of credit</p> <ul style="list-style-type: none"> <li>(a) in the form specified in Appendix 6 of the Notice for payment of the Deposit;</li> <li>(b) in the form specified in Appendix 9 of the Notice for guarantee of payment of Spectrum Utilization Fees for Frequency Blocks A1 to A2; or</li> <li>(c) in the form specified in Appendix 10 of the Notice for guarantee of payment of Spectrum Utilization Fees for Frequency Blocks B1 to B9;</li> </ul> <p>as the case may be;</p>
<b>Licence</b>	<p>A unified carrier licence, incorporating the Conditions issued by the Authority under the TO for the establishment or maintenance of a telecommunications network for carrying communications to or from the public in Hong Kong and using a Frequency Block assigned by the Authority;</p>
<b>Licensee</b>	<p>A holder of a Licence;</p>
<b>Memorandum</b>	<p>This Information Memorandum and its annexes as supplemented, amended, updated or replaced from time to time by the Authority;</p>
<b>Minimum Fee</b>	<p>The minimum amount of Spectrum Utilization Fee specified by the Secretary and set out in Appendix 2 of the Notice;</p>
<b>Mobile Number Portability / MNP</b>	<p>The capability of telecommunications networks enabling a customer to retain his / her assigned or allocated number(s) / access code(s) when changing the subscription from one mobile network operator to another mobile network operator;</p>
<b>Notice</b>	<p>The terms and conditions of the Auction given in Annex B of this Memorandum;</p>

<b>OFCA</b>	The Office of the Communications Authority, the executive arm of the Authority established on 1 April 2012, or if the context refers to any performance of a function or exercise of a power by OFCA's predecessor before that date, it means the former Office of the Telecommunications Authority;
<b>Operator Number Portability / ONP / Fixed Number Portability</b>	The capability of fixed telecommunications networks enabling a customer to retain his / her assigned or allocated number(s) / access code(s) when changing the subscription from one fixed network operator to another fixed network operator;
<b>Order</b>	Telecommunications (Designation of Frequency Bands subject to Payment of Spectrum Utilization Fee) Order (Cap. 106Y, Laws of Hong Kong);
<b>Penalty</b>	A sum which may be forfeited by the Authority under the terms and conditions of the Notice;
<b>Performance Bond</b>	A performance bond in the form determined by the Authority substantially <ul style="list-style-type: none"> <li>(a) in the form specified in Schedule A to Appendix 1 of the Notice for network and service rollout requirement, which is to be provided to the Authority in accordance with paragraph 5.5.2, paragraph 5.5.3 or paragraph 5.5.4 of the Notice; or</li> <li>(b) in the form specified in Schedule B to Appendix 1 of the Notice for payment of Spectrum Utilization Fee by annual instalments, which is to be provided to the Authority in accordance with paragraph 5.2.2 of the Notice;</li> </ul> as the case may be;
<b>Prevention of Bribery Ordinance</b>	The Prevention of Bribery Ordinance (Cap. 201, Laws of Hong Kong);

<b>Provisional Successful Bidder</b>	The Bidder determined as such in accordance with paragraph 3.4.2 or paragraph 4.13.1 of the Notice, as the case may be;
<b>Provisional Successful Bidder Notice</b>	The notice published by the Authority in accordance with paragraph 3.4.2 or paragraph 4.14.1 of the Notice, as the case may be;
<b>Qualification Stage</b>	The stage specified in Part 3 of the Notice;
<b>Qualified Bidder</b>	A Bidder determined as such in accordance with Part 3 of the Notice;
<b>Qualified Bidder Notice</b>	The notice published by the Authority in accordance with paragraph 3.3.1 of the Notice;
<b>Qualifying Bank</b>	<p>An institution holding a full banking licence under the Banking Ordinance which long term issuer rating is, or is higher than -</p> <p>(a) one or more of the following -</p> <ul style="list-style-type: none"><li>(i) Moody's A2;</li><li>(ii) Standard &amp; Poor's A;</li><li>(iii) Fitch Ratings' A; or</li></ul> <p>(b) a rating of a body other than a body listed in subparagraph (a) which, in the opinion of the Authority, is equivalent to one or more of the ratings in that subparagraph;</p>
<b>Regulation</b>	The Telecommunications (Method for Determining Spectrum Utilization Fee) (Spectrum for Auction) Regulation (Cap. 106AG, Laws of Hong Kong);
<b>Revised Provisional Successful Bidder Notice</b>	The notice published by the Authority in accordance with paragraph 4.15.9 of the Notice;

<b>Round</b>	A period of time specified by the Authority during which Qualified Bidders are entitled to submit a Bid, a Withdrawal or a Waiver in accordance with the procedure set out in Part 4 of the Notice;
<b>Round Price</b>	An amount of Spectrum Utilization Fee in Hong Kong Dollars specified by the Authority at which Qualified Bidders are invited to offer for a Frequency Block in a Round;
<b>Secretary</b>	Secretary for Commerce and Economic Development;
<b>Spectrum Cap</b>	An amount of: (a) 10 MHz in the 850/900 MHz Bands, and (b) 50 MHz in the 2.3 GHz Band, being the maximum amount of spectrum among the Frequency Blocks in the respective frequency bands that may be assigned to a Bidder or a group of Connected Bidders;
<b>Spectrum Utilization Fee</b>	The sum payable in respect of the use of a Frequency Block as determined in accordance with the Notice;
<b>Standing Highest Bid / SHB</b>	The Valid Bid in respect of a Frequency Block determined in accordance with paragraph 4.8.1 or paragraph 4.13.1 of the Notice, as the case may be;
<b>Standing Highest Bidder</b>	The Qualified Bidder which submitted the Standing Highest Bid in respect of a Frequency Block;
<b>Sub-Auction</b>	The procedures specified in paragraphs 4.15.3 to 4.15.8 of the Notice;
<b>Successful Bidder</b>	The Bidder determined as such in accordance with paragraph 5.5.1 of the Notice;
<b>Successful Bidder Notice</b>	The notice published by the Authority in accordance with paragraph 5.5.1 of the Notice;

<b>TO</b>	The Telecommunications Ordinance (Cap. 106, Laws of Hong Kong);
<b>TDO</b>	The Trade Descriptions Ordinance (Cap. 362, Laws of Hong Kong);
<b>UCL</b>	Unified carrier licence which is a carrier licence issued on or after the commencement of the Telecommunications (Carrier Licences) (Amendment) Regulation 2008 and pursuant to that regulation, but does not include a space station carrier licence;
<b>Valid Bid</b>	A Bid as defined in paragraph 4.7.1 or paragraph 4.15.5 of the Notice, as the case may be;
<b>Waiver</b>	A waiver construed in accordance with paragraphs 4.11.1 to 4.11.4 of the Notice; and
<b>Withdrawal</b>	A withdrawal defined in paragraph 4.10.1 of the Notice.