

SCHEDULE 4B
SUBMARINE CABLE CONNECTION SERVICE

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SCHEDULE 4B

SUBMARINE CABLE CONNECTION SERVICE

1. SCOPE

1.1 This Schedule sets out the terms and conditions under which SingTel will provide the Requesting Licensee with the Connection Service and on which the Requesting Licensee may access or use the Connection Service.

1.2 The Connection Service is a service provided by SingTel to the Requesting Licensee for implementing, establishing and maintaining a connection between:

(a) the Requesting Licensee's Co-Location Equipment located at the Co-Location Space at the Submarine Cable Landing Station, or such other location, as contemplated in the process set out in clauses 1.2 to 1.6 of Schedule 8; and

(b) the Cable System,

for the sole purpose of accessing cable capacity on the Cable System in accordance with clause 1.3.

[Explanatory Note: See comment in response to section 1.2 of the Direction. SingTel believes this amendment is outside the scope of the designation. However, SingTel has provided a process in clauses 1.2 to 1.6 of Schedule 8 of the RIO where the Requesting Licensee may request co-Location at space in addition to Schedules 8A, 8B, 8C and 8D. If an interconnection cable is to be run from a separate location, the Requesting Licensee will still need to run that cable through the Cable Landing Station and will need access to certain facilities under Schedule 8 to do so.]

1.3 SingTel shall provide the Connection Service to the Requesting Licensee solely for the purposes of enabling the Requesting Licensee to:

(a) access its own cable capacity on the Cable System; and/or

(b) access the cable capacity ~~of owned by any~~ Third Party licensed by the Authority, who ~~owns capacity and who is the holder of a FBO licence (including, but not limited to,~~

~~another licenseeThird Party~~) on the Cable System for the purpose of providing a ~~competitive~~ backhaul service to that Third Party.

[Explanatory Note: We have redrafted to define Third Party as one who owns capacity in the cable and who must be holder of a FBO licence. SingTel is concerned that capacity terminated in Singapore must be from a legitimate/registered Licensee in Singapore].

- 1.4 ~~For the avoidance of doubt, t~~The provision of Co-Location Space and physical access thereto at a Submarine Cable Landing Station ~~is not covered in this Schedule. The Requesting Licensee must be acquired by a Requesting Licensee in accordance with Schedule 8D or using the process contemplated in clauses 1.2 to 1.6 of Schedule 8. Co-Location at a Submarine Cable Landing Station in accordance with Schedule 8D of this RIO Agreement.~~

[Explanatory Note: Irrespective of whether Schedule 8D is used, some co-location will be required by the Requesting Licensee to either locate equipment or run an interconnection cable through the SingTel Cable Landing Station. Accordingly, both Schedule 8D and Schedule 8 (as described above) are referred to.]

- 1.5 This Schedule only applies to Requesting Licensees who are FBOs.
- 1.6 (a) The timeframes in this Schedule relating to the provision of the Connection Service, capacity activation and link activation are subject to delays caused by events outside SingTel's reasonable control, in which case SingTel may extend these timeframes for a period equal to the period of such delays.
- (b) For the avoidance of doubt, a failure to meet these timeframes caused by events outside SingTel's reasonable control does not constitute a breach of this Schedule or this RIO Agreement.
- 1.7 (a) If SingTel fails to meet any timeframes in this Schedule relating to the provision of the Connection Service, capacity activation and link activation and the failure to meet the timeframe is solely caused by SingTel, SingTel will provide a remedy to the Requesting Licensee.
- (b) Such remedy will be in the form of a credit to the Requesting Licensee of the recurring Charges payable for the delayed services over a period equal to the period of the delay.

- (c) The Requesting Licensee acknowledges that this remedy is a genuine pre-estimate of the Requesting Licensee's loss and will be the sole and exclusive remedy available to the Requesting Licensee for such failure and shall be SingTel's sole and exclusive liability to the Requesting Licensee for such failure.

2. CATEGORIES OF CABLE SYSTEMS

2.1 (a) The terms and conditions of the Connection Service vary according to the Cable System. For this purpose, Cable Systems are divided into Group A Cable Systems and Group B Cable Systems, as described in Annex 4B.8.2 categories:

~~(a) Group A Cable Systems:~~

~~(i) APCN2 Cable System for Co-Location Equipment located at the Katong Submarine Cable Landing Station;~~

~~(ii) C2C Cable System for Co-Location Equipment located at the Changi Submarine Cable Landing Station.~~

(b) The method of access to Group A Cable Systems is shown in Annex 4B.1.

~~(b) Group B Cable Systems:~~

~~(i) APCN Cable System for Co-Location Equipment located at the Changi Submarine Cable Landing Station;~~

~~(ii) SEA ME WE 3 Cable System for Co-Location Equipment located at the Tuas Submarine Cable Landing Station.~~

(c) The method of access to Group B Cable Systems is via a Cross Connect System, as shown in Annex 4B.2.

2.2 New Cable Systems

(a) The Requesting Licensee may request the Connection Service in respect of a cable system not specified in clause 2.1 of this Schedule 4B (New Cable System), where the Requesting Licensee has obtained Co-Location Space contemplated in clauses 1.2 to 1.6 of Schedule 8 or Co-location Space under Schedule 8D and where the New Cable System lands at the Submarine Cable Landing Station at which the Co-location Space is obtained.

- (b) On receipt of a request under clause 2.2(a), SingTel and the Requesting Licensee will promptly discuss the Requesting Licensee's request.
- (c) If thirty (30) Calendar Days after the receipt of a request under clause 2.2(a) and following discussions under clause 2.2(b), the Requesting Licensee wishes to pursue the Connection Service, SingTel will commence the formulation of terms and conditions (including amended terms and conditions) to incorporate the New Cable System.
- (d) SingTel will submit the terms and conditions formulated under clause 2.2(c) to the Authority for approval and incorporation into the RIO and this RIO Agreement within sixty (60) Calendar Days after receipt of a request under clause 2.2(a).

[Explanatory Note: See comment in response to section 2 of the Direction. For technical reasons it is not possible to automatically incorporate the new cable system, however, this mechanism (being similar to the mechanism in Schedule 8) provides the certainty required for Requesting Licensees.]

3. ORDERING AND PROVISIONING PROCEDURE

- 3.1 SingTel shall offer to provide the Connection Service to a Requesting Licensee on terms and conditions that are no less favourable than the terms and conditions on which it provides comparable services to itself or its affiliates. SingTel shall provide the Connection Service to the Requesting Licensee using the same criteria it uses to provide the Connection Service to itself.

[Explanatory Note: this language is taken from the Code at paragraph 5.3.5.1.]

- 3.2 SingTel shall process and respond to all requests under this Schedule 4B on a 'first come, first served' basis in the timeframe specified in this clause 3 in respect of the relevant request. SingTel shall process a maximum of five (5) requests for Connection Service per day from all Requesting Licensees under this Schedule 4B (whether those requests are made under clauses 4 to 10 inclusive). Any subsequent requests received by SingTel in excess of this maximum amount shall overflow to the next Business Day, in which case SingTel shall advise the Requesting Licensee of the queue number of the relevant request.

[Explanatory Note: In SingTel's experience there has never been more than 5 requests in a day. In any event, the Requesting Licensee's request is only likely to be delayed by 24 hours. SingTel has provided undertakings to increase resources in the letter at Annexure A and thus to increase the number of requests to be processed upon approval by the IDA of Charges to reflect this change.]

3.3 Where a Request for Connection Service is to access the cable capacity of any Third Party on the Cable System, as contemplated by clause 1.3(b):

- (a) SingTel will not be obliged to activate the capacity unless and until the Requesting Licensee provides to SingTel a copy of a letter of authorisation issued by the Third Party authorising the Requesting Licensee to access the relevant Third Party's capacity;
- (b) the Requesting Licensee must ~~immediately~~ inform SingTel in writing within forty eight (48) hours if such authorisation is varied or revoked; and

[Explanatory Note: An agreement to anything other than an immediate notification is tantamount to accessing the third party capacity illegally. SingTel cannot permit the Connection Service to be used in the commission of a possible offence. However, SingTel has attempted to reach a compromise between what is a reasonable period of time within which the Requesting Licensee should inform SingTel of a revocation of authority and SingTel's entitlement to be made aware of potential illegal use of third party capacity.]

- (c) if the Requesting Licensee's authorisation is revoked, SingTel's obligation to supply the Connection Service will cease immediately in accordance with clause 16.1.

3.4 SingTel may reject a Request for Connection Service if:

- (a) the Request for Connection Service is in respect of a Cable System other than as specified in clause 2.1;
- (b) the Request for Connection Service is not in the prescribed form specified in this Schedule 4B;
- (c) where the Connection Service is sought in relation to accessing the cable capacity of any Third Party, the Request for Connection Service is not accompanied by the Third Party's letter of authorisation specified in clause 3.3~~1(e)~~;
- (d) the Request for Connection Service does not contain all the required information;

[Explanatory Note: Not agreed to change this clause. It is consistent with all other similar provisions throughout the RIO]

- (e) the Requesting Licensee does not hold a licence to the necessary Co-Location Space under Schedule 8D or does not hold a licence to such other Co-location Space as contemplated in the process set out in clauses 1.2 to 1.6 of Schedule 8; ~~or~~

- (f) the Requesting Licensee submits a request under this Schedule 4B which seeks to activate links and/or capacity (with regard to capacity in respect of Group B Cable Systems only) in excess of that specified in the relevant ICO/ACO; or-

[Explanatory Note: As set out in more detail in the cover letter, there is a reasonable operational justification for separating out ICO/ACO procedures from the procedures necessary for activation of links or capacity. An amendment has been made to account for Group B Cable System separately.]

- (g) the Requesting Licensee submits a request under this Schedule 4B which seeks to activate capacity where the relevant link has not been activated or sought to have been activated.

3.5 For all types of Cable Systems:

- (a) the Requesting Licensee shall be responsible for all terminations at its own equipment and for providing the associated cabling and connectors between the Requesting Licensee's Equipment and SingTel's distribution frame in order to facilitate the physical termination of the ~~STM~~ link to SingTel's distribution frame;
- (b) SingTel shall advise the Requesting Licensee of the type of connectors and the length of the associated cables referred to in paragraph (a) for the related capacity that is to be provisioned; and
- (c) SingTel shall provide the distribution frame in connection with the routing of the Requesting Licensee's circuits to the Cable System and shall perform the physical termination of the Requesting Licensee's equipment or cabling to SingTel's distribution frame.

3.6 For Group B Cable Systems, SingTel shall provide the Cross Connection that is necessary only for routing the Requesting Licensee's circuits to the Cable System during the effective period of this Schedule.

3.7 The Requesting Licensee shall be responsible for the relevant Charges specified in Schedule 9 for the Connection Services provided in this Schedule 4B.

4. INITIAL CAPACITY ORDER – Group A and B Cable Systems

[Explanatory Note: See comment in response to Section 3 of the Direction regarding forecasting. This clause 4 is an ordering procedure for the cabling, patch cords and DACS capacities required to facilitate subsequent activations.]

SingTel has made provision for Requesting Licensees to facilitate the initial ordering process where SingTel recognises that demand can be difficult to estimate. Upon further consideration, SingTel is prepared to reduce the requirement on Requesting Licensees on the Minimum ICO Link/Capacity Activation to 75% instead of 80%.]

- 4.1 The Requesting Licensee shall submit its Request for Connection Service in the form of an Initial Capacity Order (ICO) provided in Annex 4B.3. The ICO shall be valid for six (6) months from the date of its intended operation (ICO Period).
- 4.2 SingTel shall respond to an ICO within ten (10) Business Days, or any other period as may be agreed, with one of the following responses:
- (a) that SingTel is able to provide the full initial capacity requested by the date specified in the ICO;
 - (b) that SingTel is able to provide the initial capacity requested, but will not be able to provide the quantity of initial capacity requested by the date specified in the ICO, and shall specify the partial capacity available, if any, for such time period until the initial capacity requested is available (interim period), in which case the Requesting Licensee shall indicate in writing within five (5) Business Days of receipt of SingTel's response whether the partial capacity is acceptable to it for the interim period;
 - (c) that SingTel is unable to provide the initial capacity ordered as procurement is required; or
 - (d) the ICO is rejected for a reason specified in clause 3.4.
- 4.3 SingTel shall be entitled to levy and receive the processing charge specified in Schedule 9 for each Request for Connection Service that is rejected in accordance with this clause.
- 4.4 SingTel shall provision the initial capacity requested in the ICO within thirty (30) Business Days of acceptance of that ICO in whole or in part within the period required by this Schedule 4B, subject to:
- (a) SingTel being able to provide the full initial capacity requested by the date specified in the ICO, or the partial capacity required for the interim period; and
 - (b) there being no delay caused by the Requesting Licensee or a Third Party.
- 4.5 If procurement is required in order to meet the request pursuant to clause 4.2(c), SingTel shall seek confirmation of the requested capacity from the Requesting Licensee. Upon

confirmation, SingTel shall complete the procurement no later than the time at which it would reasonably complete such procurement for itself.

- 4.6 SingTel shall advise the Requesting Licensee in writing upon completion of the provisioning of the initial capacity (**ICO Date**) or partial capacity referred to in clause 4.2(b) of this Schedule 4B.

5. **LINK AND CAPACITY ACTIVATION REQUEST (~~Group A and B Cable Systems~~)**

[Explanatory Note: Consequent upon the need to retain the ICO process, as stated in the response to Section 3 of the Direction, SingTel has simplified clauses 5 and 6 by combining them by offering the same number of alternatives to retain the flexibility in the previous draft. Further, the ICO and ACO processes have been split to facilitate initial activations by the Requesting Licensee but to accommodate SingTel's ordinary activation timeframes for additional activations under the ACO process. The time periods within which SingTel is able to respond to LCAR processes cannot be reduced based on current resources available.]

- 5.1 The Requesting Licensee shall submit its link activation requests in the form of a Link/Capacity Activation Request Form (**LCAR Form**) provided in Annex 4B.4, with the relevant boxes checked, no less than:

(a) **Group A or Group B Cable Systems:** fifteen (15) Business Days prior to the requested date of the activation of the link (**Link Activation Date**); or

(b) **Group B Cable Systems only:** ten (10) Business Days prior to the requested date of activation of the capacity (**Capacity Activation Date**); or

(c) **Group B Cable Systems only:** fifteen (15) Business Days prior to the requested date of the concurrent activation of the link and capacity (**Link-Capacity Activation Date**),

each such date being the **Relevant Activation Date**.

- 5.2 SingTel shall process the **LCAR** Form and advise the Requesting Licensee of its acceptance or otherwise within five (5) Business Days of its receipt. SingTel may reject the **LCAR** Form in accordance with clause 3.4 or if the **Link-Relevant** Activation Date is earlier than the ICO Date.

[Explanatory Note: It is unnecessary to change this clause because no procurement is required for activation, provided that clause 4 (Ordering) is maintained. Also not

agreed to 3 Business Days because of the current resourcing and the charges submitted to IDA.]

5.3 SingTel shall be entitled to levy and receive the processing charge specified in Schedule 9 for each LCAR Form that is rejected in accordance with this clause.

5.4 ~~The Requesting Licensee shall activate a minimum of eighty (80) per cent of the links specified in the relevant ICO (Minimum ICO Link Activation Amount) within six (6) months of the ICO Date (Minimum ICO Period). The Requesting Licensee will be liable for the full amount of Charges applicable to the Minimum ICO Link Activation Amount commencing from the expiry of the Minimum ICO Period until such time as the Minimum ICO Link Activation Amount is activated. . If the Requesting Licensee does not activate a minimum of:~~

~~(a) seventy five (75) per cent of the links specified in the relevant ICO (Minimum ICO Link Activation Amount) within six (6) months of the ICO Date (Minimum ICO Period) in the case of Group A or Group B Cable Systems; or~~

~~(b) seventy five (75) per cent of the capacity specified in the relevant ICO (Minimum ICO Capacity Activation Amount) within six (6) months of the ICO Date (Minimum ICO Period) in the case of Group B Cable Systems,~~

~~the Requesting Licensee will nonetheless be liable for the full amount of charges applicable to the Minimum ICO Link Activation Amount or Minimum ICO Capacity Activation Amount, as the case may be, commencing from the expiry of the Minimum ICO Period until such time as the Minimum ICO Link Activation Amount or Minimum ICO Capacity Activation Amount, as the case may be, is achieved.~~

[Explanatory Note: SingTel's position regarding forecasting is described above. However, SingTel agrees to reduce the activation requirement to 75% as a compromise.]

5.5 A minimum term of ~~twenty four (24)~~ twelve (12) months ~~(Link Term)~~ shall apply to:

(a) each link activated in accordance with this clause 5, measured from the earlier of the Link Activation Date and the Link-Capacity Activation Date (if applicable); or

(b) each link activated prior to the commencement of this Schedule 4B, measured from the date of commencement of that link under the relevant agreement~~s~~.

(Link Term); and

- (c) capacity activated in accordance with an LCAR Form under this clause 5, measured from the each of the Capacity Activation Date or Link-Capacity Activation Date (if applicable); or
- (d) capacity activated prior to the commencement of this Schedule 4B, measured from the date of commencement of that capacity under the relevant agreement.

(Capacity Term).

[Explanatory Note: SingTel's agreement to reduce the minimum commitment period is done on the basis that the recovery period for the charges as submitted to the IDA on 24 May 2002 for the purpose of the calculation of the submitted charges is approved without change.]

6. ~~CAPACITY ACTIVATION REQUEST (Group B Cable Systems)~~[NOT USED]

~~6.1 The Requesting Licensee shall submit its capacity activation requests in the form of a Capacity Activation Request Form (**CAR Form**) provided in Annex 4B.5. The CAR Form must be provided to SingTel no less than ten (10) Business Days prior to the requested date of activation of the capacity (**Capacity Activation Date**)~~

~~6.2 SingTel shall process the CAR Form and advise the Requesting Licensee of its acceptance or otherwise within five (5) Business Days. SingTel may reject the CAR Form in accordance with clause 3.4 or if the Capacity Activation Date is not at least five (5) Business Days after the Link Activation Date.~~

~~6.3 SingTel shall be entitled to levy and receive the processing charge specified in Schedule 9 for each CAR Form that is rejected in accordance with this clause.~~

~~6.4 The Requesting Licensee shall activate a minimum of eighty (80) per cent of the capacity specified in the relevant ICO (**Minimum ICO Capacity Activation Amount**) within the Minimum ICO Period. The Requesting Licensee will be liable for the full amount of Charges applicable to the Minimum ICO Capacity Activation Amount commencing from the expiry of the Minimum ICO Period until such time as the Minimum ICO Capacity Activation Amount is activated~~

~~6.5 A minimum term of twenty four (24) months (**Capacity Term**) shall apply to:~~

~~(a) capacity activated in accordance with each CAR Form under this clause 6, measured from the Capacity Activation Date; or~~

~~(b) capacity activated prior to the commencement of this Schedule 4B, measured from the date of commencement of that capacity under the relevant agreement.~~

7. ADDITIONAL CAPACITY ORDER (Group A and B Cable Systems)

[Explanatory Note: See response to section 3.2 of the Direction. In particular, see Explanatory Notes to clause 4 above.]

7.1 The Requesting Licensee shall submit its requests for additional capacity in the form of an Additional Capacity Order (**ACO**) provided in Annex 4B.56.

7.2 The ACO shall be valid for six (6) months from the date of its intended operation (**ACO Period**) and must be provided to SingTel no less than four (4) months prior to the commencement of the relevant ACO Period.

7.3 Each ACO shall set out the desired number of ~~STM~~ ports required for the ACO Period. Only one ACO may be submitted by a Requesting Licensee at any one time and an ACO Period must not overlap with any other ICO Period or ACO Period.

7.4 SingTel shall respond to an ACO within ten (10) Business Days, or any other period as may be agreed, with one of the following responses:

(a) that SingTel is able to provide the additional capacity requested by the date specified in the ACO;

(b) that SingTel is able to provide the additional capacity requested in the ACO, but will not be able to provide the quantities requested by the date specified in the ACO, and shall specify the partial additional capacity available, if any, for such time period until the additional capacity requested is available (interim period), in which case the Requesting Licensee shall indicate in writing within five (5) Business Days of receipt of SingTel's response whether the partial additional capacity is acceptable to it for the interim period;

(c) that SingTel is unable to provide the additional capacity order as procurement is required; or

(d) the ACO is rejected for a reason specified in clause 3.4.

- 7.5 SingTel shall be entitled to levy and receive the processing charge specified in Schedule 9 for each ACO that is rejected in accordance with this clause.
- 7.6 SingTel shall provision the additional capacity requested in the ACO prior to the commencement of the relevant ACO Period in whole or in part within the period required by this Schedule, subject to:
- (a) SingTel being able to provide the additional capacity, or the partial capacity required for the interim period, requested by the date specified in the ACO; and
 - (b) there being no delay caused by the Requesting Licensee or a Third Party.
- 7.7 If procurement is required in order to meet the request pursuant to clause 7.4(c), SingTel shall seek confirmation of the requested capacity from the Requesting Licensee. Upon confirmation, SingTel shall complete the procurement no later than the time at which it would reasonably complete such procurement for itself.
- 7.8 SingTel shall advise the Requesting Licensee in writing upon completion of the provisioning of the additional capacity in accordance with the ACO (**ACO Date**) or partial capacity referred to in clause 4.2(b).

8. **LINK AND CAPACITY ACTIVATION REQUEST FOR ADDITIONAL CAPACITY (~~Group A and B Cable Systems~~)**

[Explanatory Note: See response to section 3.2 of the Direction. See also comments above in relation to clause 5.]

- 8.1 The Requesting Licensee shall submit its link activation requests in respect of additional capacity in the form of a LCAR Form provided in Annex 4B.4, with the relevant boxes checked, no less than:
- (a) **Group A or Group B Cable Systems: fifteen (15) Business Days prior to the requested date of the activation of the link (Link Activation Date); or**
 - (b) **Group B Cable Systems only: ten (10) Business Days prior to the requested ate of activation of the capacity (Capacity Activation Date); or**
 - (c) **Group B Cable Systems only: fifteen (15) Business Days prior to the requested date of the concurrent activation of the link and capacity (Link-Capacity Activation Date),**
each such date being the Relevant Activation Date.

~~The LAR Form must be provided to SingTel no less than fifteen (15) Business Days prior to the intended Link Activation Date.~~

8.2 SingTel shall process the L~~C~~AR Form and advise the Requesting Licensee of its acceptance or otherwise within five (5) Business Days of its receipt. SingTel may reject the L~~C~~AR Form in accordance with clause 3.4 or if the ~~Link Relevant~~ Activation Date is earlier than the ACO Date.

8.3 SingTel shall be entitled to levy and receive the processing charge specified in Schedule 9 for each L~~C~~AR Form that is rejected in accordance with this clause.

8.4 ~~The Requesting Licensee shall activate a minimum of eighty (80) per cent of the links specified in the relevant ACO (Minimum ACO Link Activation Amount) within six months of the ACO Date (Minimum ACO Period). The Requesting Licensee will be liable for the full amount of Charges applicable to the Minimum ACO Link Activation Amount commencing from the expiry of the Minimum ACO Period until such time as the Minimum ACO Link Activation Amount is activated. If the Requesting Licensee does not activate a minimum of:~~

~~(a) eighty (80) per cent of the links specified in the relevant ACO (Minimum ACO Link Activation Amount) within six (6) months of the ACO Date (Minimum ACO Period) in the case of Group A or Group B Cable Systems; or~~

~~(b) eighty (80) per cent of the capacity specified in the relevant ACO (Minimum ACO Capacity Activation Amount) within six (6) months of the ACO Date (Minimum ACO Period) in the case of Group B Cable Systems,~~

~~the Requesting Licensee will nonetheless be liable for the full amount of charges applicable to the Minimum ACO Link Activation Amount or Minimum ACO Capacity Activation Amount, as the case may be, commencing from the expiry of the Minimum ACO Period until such time as the Minimum ACO Link Activation Amount or Minimum ACO Capacity Activation Amount, as the case may be, is achieved.~~

8.5 A minimum term of ~~twenty-four~~twelve (24)~~12~~ months (~~Link Term~~) shall apply to:

(a) each link activated in accordance with this clause 8, measured from the earlier of the Link Activation Date and the Link-Capacity Activation Date (if applicable); or

(b) each link activated prior to the commencement of this Schedule 4B, measured from the date of commencement of that link under the relevant agreement~~s~~.

(Link Term); and

- (c) capacity activated in accordance with an LCAR Form under this clause 5, measured from the each of the Capacity Activation Date or Link-Capacity Activation Date (if applicable); or
- (d) capacity activated prior to the commencement of this Schedule 4B, measured from the date of commencement of that capacity under the relevant agreement.

(Capacity Term).

9. ~~CAPACITY ACTIVATION REQUEST FOR ADDITIONAL CAPACITY (Group B Cable Systems)[NOT USED]~~

~~9.1 The Requesting Licensee shall submit its capacity activation requests in respect of additional capacity in the form of a CAR Form provided in Annex 4B.5. The CAR Form must be provided to SingTel no less than ten (10) Business Days prior to the requested date of activation of the additional capacity (**Capacity Activation Date**).~~

~~9.2 SingTel shall process the CAR Form and advise the Requesting Licensee of its acceptance or otherwise within five (5) Business Days. SingTel may reject the CAR in accordance with clause 3.4 and if the Capacity Activation Date is not at least five (5) Business Days after the Link Activation Date.~~

~~9.3 SingTel shall be entitled to levy and receive the processing charge specified in Schedule 9 for each LCAR Form that is rejected in accordance with this clause.~~

~~The Requesting Licensee shall activate a minimum of eighty (80) per cent of the capacity specified in the relevant ICO (**Minimum ACO Capacity Activation Amount**) within the Minimum ACO Period. The Requesting Licensee will be liable for the full amount of Charges applicable to the Minimum ACO Capacity Activation Amount commencing from the expiry of the Minimum ACO Period until such time as the Minimum ACO Capacity Activation Amount is activated.~~

~~9.5A minimum term of twenty four (24) months (**Capacity Term**) shall apply to:~~

~~(a) capacity activated in accordance with each L^CAR Form under this clause 9, measured from the Capacity Activation Date; or~~

~~(b) capacity activated prior to the commencement of this Schedule 4B, measured from the date of commencement of that capacity under the relevant agreement.~~

10. DEACTIVATION

10.1 Link Deactivation for Group A Cable System

(a) If the Requesting Licensee wishes to deactivate a link under this Schedule 4B, it must submit a request for link deactivation in the form of a Link Deactivation Request Form (LDR Form) provided in Annex 4B.67. The LDR Form must be provided to SingTel no less than ~~fifteen (15)~~ ten (10) Business Days prior to the intended Link Deactivation Date (LDD).

(b) SingTel shall process the LDR Form and advise the Requesting Licensee of its acceptance or otherwise within five (5) Business Days of its receipt. SingTel may reject the LDR Form if:

[Explanatory Note: Based on current resources available to SingTel and the charges submitted to the IDA, it is not possible to respond in less than 5 Business Days.]

(i) the request for link deactivation is not in the prescribed form specified in this clause;

(ii) the request for link deactivation does not contain all the required information;

[Explanatory Note: Not agreed to change. This clause is consistent throughout the RIO.]

(iii) the request for link deactivation is ~~more-less~~ than ~~fifteen (15)~~ ten (10) Business Days prior to the LDD; ~~or~~

~~(iv) if the Link Term has not expired, subject to this RIO Agreement.~~

(c) SingTel shall be entitled to levy and receive the processing charge specified in Schedule 9 for each LDR Form that is rejected in accordance with this clause.

(d) Where the LDR Form is applicable to a link during the Link Term ~~and SingTel agrees to terminate the link,~~ the Requesting Licensee shall ~~be~~ remain liable for the recurring

charges specified in Schedule 9 from the date of such deactivation (or partial deactivation if such is the extent of the LDR Form~~thereof~~) for the remainder of that Link Term.

~~(e) For Group B Cable Systems, the Requesting Licensee must ensure that no active capacity exists within the link prior to submitting an LDR Form in respect of that link. If active capacity exists in that link, the Requesting Licensee must submit a CDR Form in accordance with clause 10.2.~~

10.2 Link-Capacity Deactivation for Group B Cable System

(a) If the Requesting Licensee wishes to deactivate link and/or capacity under this Schedule 4B in respect of a Group B Cable System, ~~it the Requesting Licensee~~ must submit a request for link-capacity deactivation in the form of a Link-Capacity Deactivation Request Form (LCDR Form) provided in Annex 4B.78. The LCDR Form must be provided to SingTel no less than ten (10) Business Days prior to the intended Link-Capacity Deactivation Date (LCDD). ~~The CDD must be at least five (5) Business Days after the LDD. For the avoidance of doubt, a Requesting Licensee is permitted to request Capacity deactivation together with deactivation of its associated Link within one single request.~~

(b) SingTel shall process the LCDR Form and advise the Requesting Licensee of its acceptance or otherwise within five (5) Business Days of its receipt. SingTel may reject the LCDR Form if:

[Explanatory Note: Based on current resources available to SingTel it is not possible to respond in less than 5 Business Days.]

(i) the request for link-capacity deactivation is not in the prescribed form specified in this clause;

(ii) the request for link-capacity deactivation does not contain all the required information;

[Explanatory Note: Not Agreed to change. This clause is consistent throughout the RIO.]

(iii) the request for link-capacity deactivation is ~~more~~ less than ten (10) Business Days prior to the LCDD; ~~or~~

~~(iv) if the Capacity Term has not expired, subject to this RIO Agreement.~~

(c) SingTel shall be entitled to levy and receive the processing charge specified in Schedule 9 for each LCDR Form that is rejected in accordance with this clause.

~~(d)~~ Where the LCDR Form is applicable to a link during the Link Term the Requesting Licensee shall remain liable for the recurring charges specified in Schedule 9 from the date of such deactivation (or partial deactivation if such is the extent of the LCDR Form) for the remainder of that Link Term, as the case may be.

~~(d)~~(e) Where the LCDR Form is applicable to capacity during the Capacity Term, the Requesting Licensee shall be liable to SingTel for the recurring charges specified in Schedule 9 from the date of such deactivation (or partial deactivation if such is the extent of the LCDR Form ~~thereof~~) for the remainder of that Capacity Term.

11. STANDARD TERMS AND CONDITIONS

11.1 The Requesting Licensee will:

- (a) promptly comply with all reasonable written notices or instructions given by SingTel in respect of the installation, use or operation of the Connection Service;
- (b) not use, attempt to use, nor permit any other person to use, the Connection Service in breach of any laws or regulations whatsoever, and will comply with all relevant directions and orders issued by the Authority from time to time; and
- (c) provide, and install ~~and terminate~~ the associated cables between its own equipment and SingTel's Distribution Frame and terminate the associated cables to its own equipment.

11.2 SingTel will:

- (a) use reasonable endeavours to operate and maintain the Connection Service in accordance with international industry standards;
- (b) operate and maintain the Connection Service ~~and~~ on no less favourable terms and conditions in which it operates and maintains comparable services provided to itself and its affiliates;

[Explanatory Note: SingTel will comply with the non-discrimination obligation in absolute terms. However, compliance with international standards is still subject to reasonable endeavours because of the many and varied standards.]

- (c) address any fault affecting the Connection Service promptly and in accordance with international industry standards and on no less favourable terms and conditions in which it addresses any fault affecting comparable services provided to itself and its affiliates; and

[Explanatory Note: See response to section 4 of the Direction. To the extent that IDA requires quality of service terms, it should be noted that there is no way to measure the quality of the links on the connection service element without breaking the links. SingTel has incorporated fault escalation and response times in clause 13 below.]

- (d) exercise the reasonable skill and care of a competent telecommunications operator in performing its obligations under this Schedule and ensure that the Connection Service it provides to the Requesting Licensee is of the quality comparable to what it provides to itself and to its affiliates.

[Explanatory Note: See response to section 4 of the Direction. To the extent that IDA requires quality of service terms, it should be noted that there is no way to measure the quality of the links on the connection service element without breaking the links. SingTel has incorporated fault escalation and response times in clause 13 below.]

12. ACCESS AND APPROVALS REQUIRED

- 12.1 The Parties shall comply with clause 16.5 of the main body of this RIO Agreement in relation to the obtaining of all licences, permits, consents, waivers, authorisations and intellectual property or other rights required for the provision of the Connection Service.

13. OPERATIONS AND MAINTENANCE

13.1 Notification

Each Party shall ~~use its reasonable endeavours to~~ as soon as practicable provide notification to the other Party in case of any fault or service interruption which is identified by the first-mentioned Party and to notify the other Party when the service is ~~normalized~~ normalised.

13.2 **Planned Maintenance**

Each Party shall provide not less than five (5) Business Days notice of any planned maintenance, which may affect the other Party's system. Each Party shall use its reasonable endeavours to minimize disruption to the other Party.

~~Notification~~

~~Each Party shall use its reasonable endeavours to provide notification to the other Party in case of a service interruption and to notify the other Party when the service is normalized.~~

13.3 Fault Resolution

- (a) If a fault or service interruption is identified to be caused by the Requesting Licensee, the point of contact is:

Requesting Licensee O&M Contacts:

Tel (office hour):

Tel (after office hour):

Fax:

Requesting Licensee Station Address:

- (b) -If a fault or service interruption is identified to be caused by SingTel, the point of contact is:

SingTel's O&M Contacts:

Tel (office hr):

Tel (after office hr):

Fax:

SingTel's Cable Station Address :

13.4 Type Of Faults

Faults reported may be classified as follows:

- (i) Service affecting fault(s); and
- (ii) Non-service affecting fault(s).

Service affecting fault(s) may cause service interruption due to a system or physical link failure. Excessive data errors encountered on the links causing high data loss may also be

classified as service affecting fault(s). Non-service affecting fault(s) are those that do not adversely affect data carried on the links.

13.5 Target Response Times

The target response time for attendance to an alarm or reported fault will depend on the time of its occurrence as contained in Table 1 below. "Office Hours" is defined as 8am to 5pm for Mondays to Fridays (except Public Holidays). The whole of Saturday, Sunday and any Public Holiday and the hours outside the Office Hours are referred to as "After Office Hours".

<u>Fault Type</u>	<u>Response Time</u>	
	<u>During Office Hours</u>	<u>After Office Hours</u>
<u>Service Affecting</u>	<u>within one (1) hour of receipt of notification</u>	<u>within two (2) hours of receipt of notification</u>
<u>Non-Service Affecting</u>	<u>within two (2) hours of receipt of notification</u>	<u>within next Working Day of receipt of notification</u>

Table 1 - Target Response Time

13.6 Fault Escalation

- (a) Where a fault persists and the Parties agree that progress of the remedy is not satisfactory, the fault may be escalated according to the fault escalation timescales and escalation reporting levels as outlined in sub-clauses 13.7 and 13.8 herein respectively.
- (b) The Parties shall immediately inform the first level of escalation within the respective Party's organisation at the same time when the Party which detected the fault notifies the fault reporting point of the Party for action.

13.7 Fault Escalation Timescales

The Parties shall use the following timescales as guidelines for the fault escalation process. The timescales shall be used in deciding whether the restoration of a fault is being progressing satisfactorily. If the escalation time has expired and both Parties are satisfied with the progress of the fault restoration, no immediate escalation is necessary.

<u>Fault Type</u>	<u>Maximum Time For Escalation (Commencing after the Response Time)</u>	
	<u>First Level</u>	<u>Second Level</u>
<u>Service Affecting</u>	<u>Immediate</u>	<u>two (2) hours</u>
<u>Non-Service Affecting</u>	<u>Immediate</u>	<u>eight (8) hours</u>

Table 2 – Fault Escalation Timescales

13.8 Escalation Reporting Levels

All requests for escalation shall be notified through each Party's fault reporting point. The reporting levels are :

<u>Operator</u> <u>Escalation Level</u>	<u>SingTel</u>	<u>Requesting Licensee</u>
<u>First</u>	<u>Connection Service Engineer</u>	<u>to be advised by Requesting Licensee</u>
<u>Second</u>	<u>Connection Service Manager</u>	<u>to be advised by Requesting Licensee</u>

Table 3 - Escalation Reporting Levels

13.9 Persistent or Repeated Faults

Persistent or repeated faults or issues which cannot be resolved satisfactorily through the normal channels of the Parties shall be escalated to the Second Level to expedite the fault clearance process.

13.10 Escalation Problems

The Parties shall notify their respective and appropriate officers stated in Table 3 above for problems encountered in the implementation or execution of the fault escalation procedures.

14. TERM

- 14.1 The Connection Service shall commence on the date SingTel notifies the Requesting Licensee of its acceptance of the Request for Connection Service for initial capacity in accordance with clause 4 and continue until the expiry or termination of the licence for Co-Location Space in respect of the Co-Location Equipment at the relevant Submarine Cable Landing Station in accordance with Schedule 8D of this RIO Agreement or upon expiry or termination of any licence in respect of other space acquired by the Requesting Licensee using the process contemplated in clauses 1.2 to 1.6 of Schedule 8 (as the case may be).

15. SUSPENSION

- 15.1 Subject to clause 12.1 of the main body of this RIO Agreement, SingTel may suspend the Connection Service, capacity or link at any time until further notice to the Requesting Licensee if the Connection Service, capacity, link or licence in respect of the Submarine Cable Landing Station causes or is likely to cause physical or technical harm to any telecommunications network, system or services (whether of SingTel or any other person) including but not limited to causing damage, interfering with or causing deterioration in the operation of SingTel's Network.
- 15.2 Without limiting the exclusions or limitations of liability in this RIO Agreement, SingTel shall not be liable to the Requesting Licensee for any Loss resulting from, or in connection with, suspension of the Connection Service under this clause 15.

16. TERMINATION

- 16.1 SingTel may immediately terminate the Connection Service or any capacity or link provided in respect of a Cable System if:
- (a) the Requesting Licensee is no longer an FBO;
 - (b) in SingTel's reasonable opinion, the Requesting Licensee is using the Connection Service in contravention of an applicable law, licence, code, regulation or direction and SingTel has the necessary confirmation from the relevant Governmental Agencies that the Requesting Licensee is in contravention of the applicable law, licence, code, regulation or direction;
 - (c) the Connection Service is used by the Requesting Licensee for a purpose other than the ~~sole purposes~~ specified in clause 1.~~32~~ of this Schedule;

- (d) the licence in respect of Co-Location Space from which the Connection Service is provided is terminated or expires or any licence in respect of space acquired by a Requesting Licensee using the process contemplated in clauses 1.2 to 1.6 of Schedule 8, is terminated or expires (as the case may be);
- (e) the use of the Connection Service causes or is likely to cause physical or technical harm to any telecommunications network, system or services (whether of SingTel or any other person) including but not limited to causing damage, interfering with or causing deterioration in the operation of SingTel's Network; or
- (f) the letter of authorisation referred to in clause 3.3(a) is revoked.

16.2 Either Party (**Terminating Party**) may terminate the Connection Service if the other Party is in breach of this Schedule and such breach remains unremedied for a period of five (5) Business Days after receiving notice from the Terminating Party to do so.

16.3 Upon expiry or termination of this Schedule:

- (a) the Requesting Licensee must discontinue the use of the Connection Service; and
- (b) ~~must SingTel shall disconnect~~ the Requesting Licensee's connectors terminated at SingTel's distribution frame; and all equipment connected to the Cable System,
- (c) the Requesting Licensee must disconnect the connectors terminated at its distribution frame and remove the associated cabling between the Requesting Licensee's equipment and SingTel's distribution frame,

within ten (10) Business Days after the expiry or from the date of termination, whichever is the earlier.

~~16.5~~16.4 If the Requesting Licensee fails to disconnect and remove the associated cabling and connectors between the Requesting Licensee's equipment and SingTel's distribution frame its equipment from the Cable System under clause 16.3, SingTel shall remove the Requesting Licensee's ~~equipment~~associated cabling and connectors. The Requesting Licensee shall pay to SingTel all reasonable costs associated with the work undertaken by SingTel including the disposal of the Requesting Licensee's ~~equipment~~associated cabling and connectors. In such event, the Requesting Licensee shall have no claim whatsoever against SingTel.

~~16.6~~16.5 If SingTel terminates the Connection Service, capacity or link prior to the minimum periods specified in this Schedule, the Requesting Licensee shall be liable only for

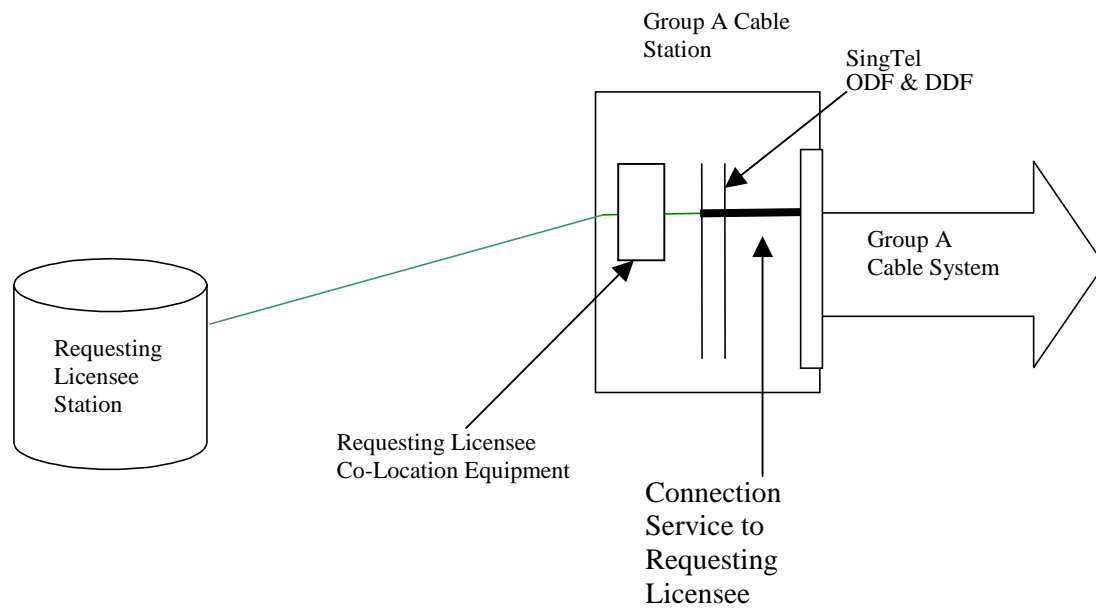
~~recurring charges for the relevant links and capacity for the remaining period of the minimum term commitment in respect of such links and capacity, the full amount of Charges for that Connection Service, capacity or link in accordance with clauses 5.4, 6.4, 8.4 or 9.4, as applicable.~~

16.716.6 This clause 16 survives termination of this Schedule 4B or this RIO Agreement.

SINGTEL HAS PROVIDED AMENDMENTS TO THE ANNEXURES 4B.1 TO 4B.9

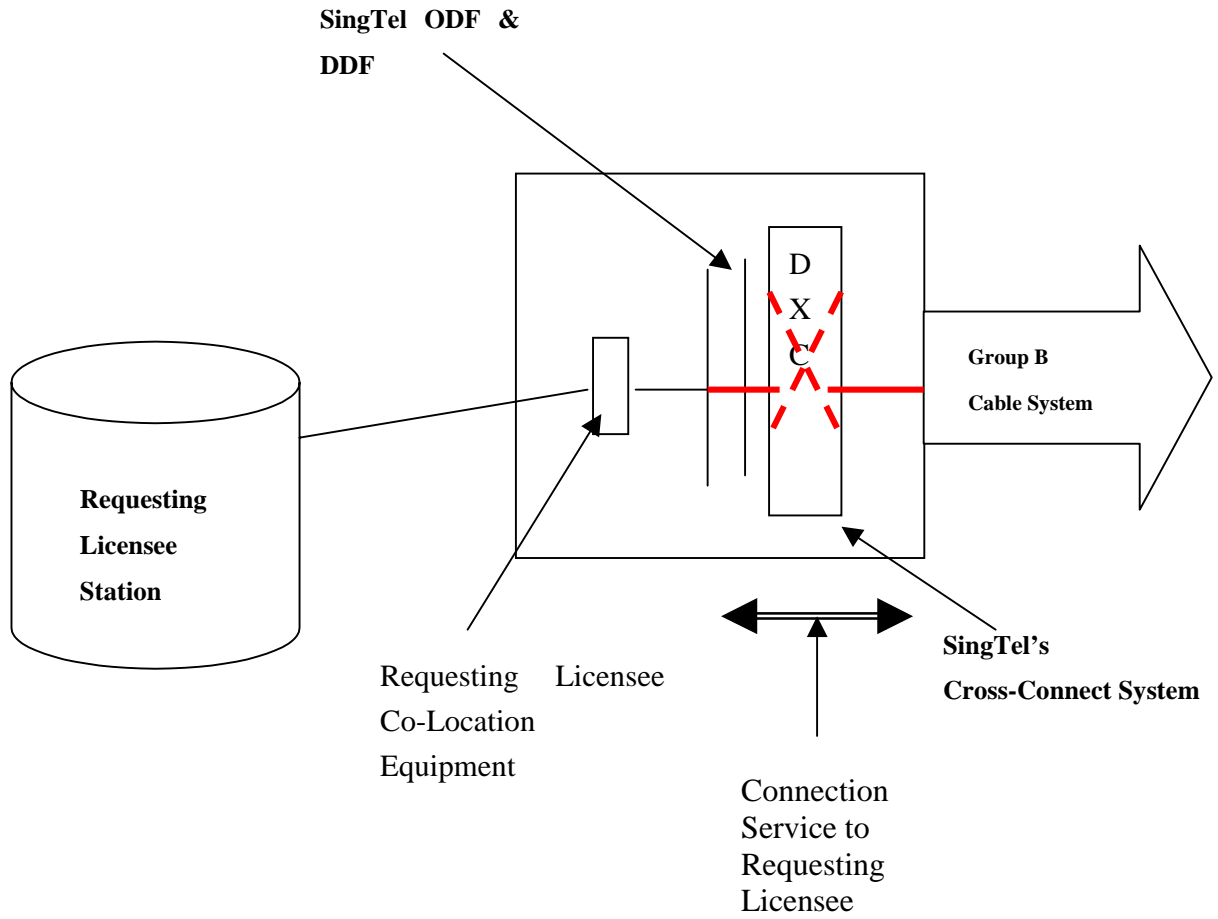
ANNEX 4B.1

Connection Service diagram for Group A Submarine Cable Systems



ANNEX 4B.2

Connection Service diagram for Group B Submarine Cable Systems





Initial Capacity Order for Connection Service

Date: _____
To: Manager, Network Integration and Interconnect
Fax: 65-6848 4113

Requesting Licensee: _____

Name: _____
Telephone: _____
Fax No: _____

Address: _____

1. Submarine Cable System

--

2. Period

<u>For a period of six months:</u>
<u>From Date/Month/Year :</u>

3. Link Profile: (Applicable to Group A & B Cable Systems)

<u>Link Connection Interface</u>	<u>Quantity</u>
<u>(a) Electrical Link (number of co-axial cable pair)</u>	
<u>(b) Optical Link (number of fibre pair) – Service link</u>	
<u>(c) Optical Link (number of fibre pair) – Protection link</u>	

4. Capacity Profile: (Applicable to Group B Cable Systems)

<u>Capacity Activation Order</u>	<u>Quantity</u>
<u>VC12</u>	
<u>VC3</u>	
<u>VC4</u>	

Submitted By:
Name & Signature: _____ Company Stamp: _____



SingTel

Link-Capacity Activation Request

Date: _____
 To: Manager, Network Integration and Interconnect
 Fax: 65-6848 4113

<u>1.</u>	<u>Requesting Licensee:</u>																
	<u>Name:</u>	Please tick relevant box:															
	<u>Signature:</u>	<input type="checkbox"/> Link Activation Only															
	<u>Telephone:</u>	<input type="checkbox"/> Capacity Activation Only															
	<u>Facsimile:</u>																
	<u>Company Stamp:</u>	<input type="checkbox"/> Link and Capacity Activation															
<u>2.</u>	<u>Submarine Cable System:</u>																
	<u>Link Particulars applicable to both Group A & B Cable Systems</u>																
<u>3a.</u>	<u>Link Connection Bit Rate:</u>	<u>Electrical Co-axial cable / Optical fibre</u>															
<u>3b.</u>	<u>Capacity Designation:</u>																
<u>3c.</u>	<u>Cable System Circuit Allocation:</u>																
<u>3d.</u>	<u>Requesting Licensee's ODF/DDF Port Assignment: (SRV/PRT)</u>																
<u>3e.</u>	<u>Fibre/Co-axial Patch Cord Assignment: (SRV/PRT)</u>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>RL's ID</u></th> <th style="text-align: left;"><u>Patch No.</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>_____ / _____</td> <td>_____ / _____</td> <td>/A –Tx(Svr)</td> </tr> <tr> <td>_____ / _____</td> <td>_____ / _____</td> <td>/B – Rx(Svr)</td> </tr> <tr> <td>_____ / _____</td> <td>_____ / _____</td> <td>/C – Tx(Prt)</td> </tr> <tr> <td>_____ / _____</td> <td>_____ / _____</td> <td>/D – Rx (Prt)</td> </tr> </tbody> </table>	<u>RL's ID</u>	<u>Patch No.</u>		_____ / _____	_____ / _____	/A –Tx(Svr)	_____ / _____	_____ / _____	/B – Rx(Svr)	_____ / _____	_____ / _____	/C – Tx(Prt)	_____ / _____	_____ / _____	/D – Rx (Prt)
<u>RL's ID</u>	<u>Patch No.</u>																
_____ / _____	_____ / _____	/A –Tx(Svr)															
_____ / _____	_____ / _____	/B – Rx(Svr)															
_____ / _____	_____ / _____	/C – Tx(Prt)															
_____ / _____	_____ / _____	/D – Rx (Prt)															
<u>3f.</u>	<u>Intended Link Activation Date:</u>																
	<u>Capacity Particulars applicable to Group B Cable Systems only</u>																
<u>4a.</u>	<u>Circuit Designation:</u>																
<u>4b.</u>	<u>Cable System's Circuit Allocation:</u>																
<u>4c.</u>	<u>Intended Capacity Activation Date:</u>																
<u>5.</u>	<u>Contacts for Test/Maintenance:</u>	<u>Name:</u> <u>Tel:</u> <u>Fax:</u>															



Additional Capacity Order for Connection Service

Date: _____
To: Manager, Network Integration and Interconnect
Fax: 65-6848 4113

Requesting Licensee: _____

Name: _____
Telephone: _____
Fax No: _____

Address: _____

1. Submarine Cable System

--

2. Period

<u>For a period of six months:</u>
<u>From Date/Month/Year :</u>

3. Link Profile: (Applicable to Group A & B Cable Systems)

<u>Link Connection Interface</u>	<u>Quantity</u>
<u>(a) Electrical Link (number of co-axial cable pair)</u>	
<u>(b) Optical Link (number of fibre pair) – Service link</u>	
<u>(c) Optical Link (number of fibre pair) – Protection link</u>	

4. Capacity Order Profile: (Applicable to Group B Cable Systems)

<u>Capacity Activation Order</u>	<u>Quantity</u>
<u>VC12</u>	
<u>VC3</u>	
<u>VC4</u>	

Submitted By:
Name & Signature: _____ Company Stamp: _____



Link Deactivation Request for Group A Cable System

Date:

To: Manager, Network Integration and Interconnect

Fax: 65-6848 4113

<u>1.</u>	<u>Requesting Licensee:</u> <u>Name:</u> <u>Signature:</u> <u>Telephone:</u> <u>Facsimile:</u> <u>Company Stamp:</u>															
<u>2.</u>	<u>Submarine Cable System:</u>															
<u>3.</u>	<u>Link Connection Bit Rate:</u> <u>Electrical co-axial cable / Optical fibre</u>															
<u>4.</u>	<u>Capacity Designation:</u>															
<u>5.</u>	<u>Cable System Circuit Allocation:</u>															
<u>6.</u>	<u>Requesting Licensee's ODF/DDF Port</u> <u>Assignment: (SRV/PRT)</u>															
<u>7.</u>	<table border="0"><tr><td><u>Fibre/Co-axial Patch Cord Assignment:</u></td><td><u>RL's ID</u></td><td><u>Patch No.</u></td></tr><tr><td><u>(SRV/PRT)</u></td><td><u> / </u></td><td><u>/A -Tx(Svr)</u></td></tr><tr><td></td><td><u> / </u></td><td><u>/B - Rx(Svr)</u></td></tr><tr><td></td><td><u> / </u></td><td><u>/C - Tx(Prt)</u></td></tr><tr><td></td><td><u> / </u></td><td><u>/D - Rx (Prt)</u></td></tr></table>	<u>Fibre/Co-axial Patch Cord Assignment:</u>	<u>RL's ID</u>	<u>Patch No.</u>	<u>(SRV/PRT)</u>	<u> / </u>	<u>/A -Tx(Svr)</u>		<u> / </u>	<u>/B - Rx(Svr)</u>		<u> / </u>	<u>/C - Tx(Prt)</u>		<u> / </u>	<u>/D - Rx (Prt)</u>
<u>Fibre/Co-axial Patch Cord Assignment:</u>	<u>RL's ID</u>	<u>Patch No.</u>														
<u>(SRV/PRT)</u>	<u> / </u>	<u>/A -Tx(Svr)</u>														
	<u> / </u>	<u>/B - Rx(Svr)</u>														
	<u> / </u>	<u>/C - Tx(Prt)</u>														
	<u> / </u>	<u>/D - Rx (Prt)</u>														
<u>8.</u>	<u>Intended Link Deactivation Date:</u>															
<u>9.</u>	<table border="0"><tr><td><u>Contacts for Test/Maintenance:</u></td><td><u>Name:</u></td></tr><tr><td></td><td><u>Tel:</u></td></tr><tr><td></td><td><u>Fax:</u></td></tr></table>	<u>Contacts for Test/Maintenance:</u>	<u>Name:</u>		<u>Tel:</u>		<u>Fax:</u>									
<u>Contacts for Test/Maintenance:</u>	<u>Name:</u>															
	<u>Tel:</u>															
	<u>Fax:</u>															



SingTel

Link-Capacity Deactivation Request For Group B Cable System

Date: _____
 To: Manager, Network Integration and Interconnect
 Fax: 65-6848 4113

1.	<u>Requesting Licensee:</u>																
	<u>Name:</u>	Please tick relevant box:															
	<u>Signature:</u>	<input type="checkbox"/> Link Deactivation Only															
	<u>Telephone:</u>	<input type="checkbox"/> Capacity Deactivation Only															
	<u>Facsimile:</u>																
	<u>Company Stamp:</u>	<input type="checkbox"/> Link and Capacity Deactivation															
2.	<u>Submarine Cable System:</u>																
3.	<u>Link Connection Bit Rate:</u>	<u>Electrical Co-axial cable / Optical fibre</u>															
4.	<u>Capacity Designation:</u>																
5.	<u>Cable System Circuit Allocation:</u>																
6.	<u>Requesting Licensee's ODF/DDF Port Assignment: (SRV/PRT)</u>																
7.	<u>Fibre/Co-axial Patch Cord Assignment: (SRV/PRT)</u>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"><u>RL's ID</u></td> <td style="width: 15%;"><u>Patch No.</u></td> <td></td> </tr> <tr> <td>_____ / _____</td> <td>_____ /A -Tx(Svr)</td> <td></td> </tr> <tr> <td>_____ / _____</td> <td>_____ /B - Rx(Svr)</td> <td></td> </tr> <tr> <td>_____ / _____</td> <td>_____ /C - Tx(Prt)</td> <td></td> </tr> <tr> <td>_____ / _____</td> <td>_____ /D - Rx (Prt)</td> <td></td> </tr> </table>	<u>RL's ID</u>	<u>Patch No.</u>		_____ / _____	_____ /A -Tx(Svr)		_____ / _____	_____ /B - Rx(Svr)		_____ / _____	_____ /C - Tx(Prt)		_____ / _____	_____ /D - Rx (Prt)	
<u>RL's ID</u>	<u>Patch No.</u>																
_____ / _____	_____ /A -Tx(Svr)																
_____ / _____	_____ /B - Rx(Svr)																
_____ / _____	_____ /C - Tx(Prt)																
_____ / _____	_____ /D - Rx (Prt)																
8.	<u>Intended Link Deactivation Date:</u>																
9.	<u>Circuit Designation:</u>																
10.	<u>Cable System's Circuit Allocation:</u>																
11.	<u>Intended Capacity Deactivation Date:</u>																
12.	<u>Contacts for Test/Maintenance:</u>	<u>Name:</u> <u>Tel:</u> <u>Fax:</u>															

ANNEX 4B.8

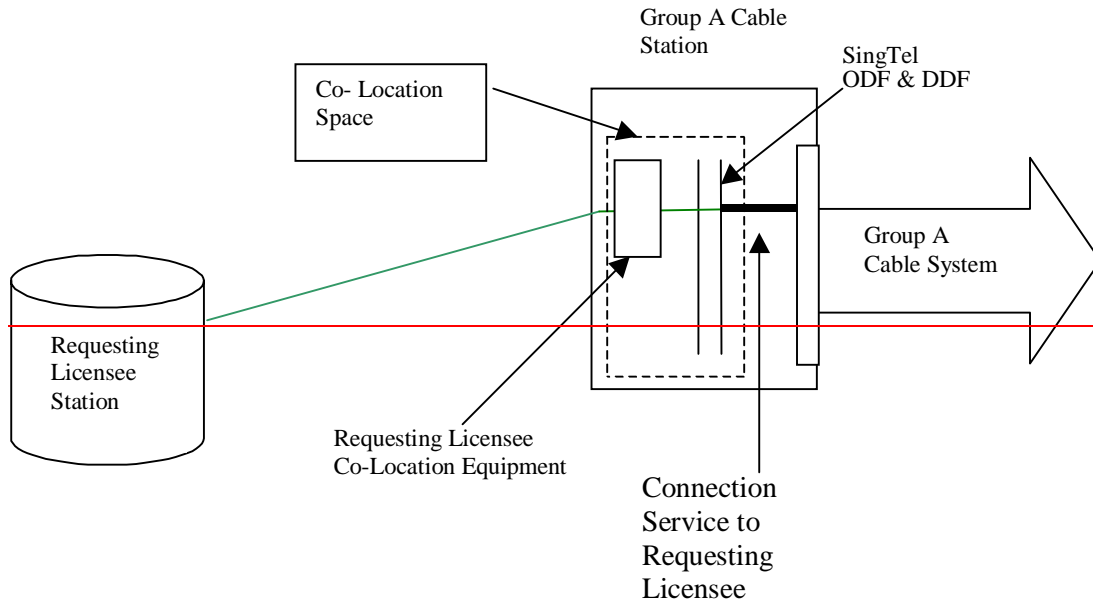
CABLE SYSTEMS

- (a) Group A Cable Systems:
 - (i) APCN2 Cable System – for Co-Location Equipment located at the Katong Submarine Cable Landing Station;
 - (ii) C2C Cable System - for Co-Location Equipment located at the Changi Submarine Cable Landing Station.

- (b) Group B Cable Systems:
 - (i) APCN Cable System - for Co-Location Equipment located at the Changi Submarine Cable Landing Station;
 - (ii) SEA-ME-WE 3 Cable System - for Co-Location Equipment located at the Tuas Submarine Cable Landing Station.

ANNEX 4B.1

Connection Service diagram for Group A Submarine Cable Systems



ANNEX 4B.2

Connection Service diagram for Group B Submarine Cable Systems



ANNEX 4B.3



Singapore Telecom

Initial Capacity Order for Connection Service

Date: _____

To: ~~Manager, Network Integration and Interconnect~~

Fax: 65 6848 4113

Requesting Licensee: _____

Name: _____

Telephone: _____

Fax No: _____

Address: _____

1. ~~Submarine Cable System~~

--

2. ~~Period~~

For a period of six months:

From Date/Month/Year :

3. ~~Link Profile: (Applicable to Group A & B Cable Systems)~~

Link Connection Interface	Quantity
(a) Electrical Link (number of co-axial cable pair)	
(b) Optical Link (number of fibre pair) — Service link	
(c) Optical Link (number of fibre pair) — Protection link	

4. ~~Capacity Profile: (Applicable to Group B Cable Systems)~~

Capacity Activation Order	Quantity
VC12	
VC3	
VC4	

Submitted By:

Name & Signature: _____ Company Stamp: _____

ANNEX 4B.4



Singapore
Telecom

~~Link Activation Request~~

~~Date:~~

~~To: Manager, Network Integration and Interconnect~~

~~Fax: 65-6848 4113~~

1.	Requesting Licensee: Name: Signature: Telephone: Faesimile: Company Stamp:
2.	Submarine Cable System:
3.	Link Connection: Electrical Co-axial cable / Optical fibre
4.	Capacity Designation:
5.	Cable System Circuit Allocation:
6.	Requesting Licensee's ODF/DDF Port Assignment: (SRV/PRT)
7.	Fibre/Co-axial Patch Cord Assignment: (SRV/PRT)
8.	Intended Link Activation Date:
9.	Contacts for Test/Maintenance: Name: Tel: Fax:



To: ~~Manager, Network Integration and Interconnect~~
~~Fax: 65-6848 4113~~

1.	Requesting Licensee: Name: Signature: Telephone: Faexsimile: Company Stamp:
2.	Submarine Cable System:
3.	Circuit Designation:
4.	Cable System's Circuit Allocation:
5.	Intended Capacity Activation Date:
6.	Contacts for Test/Maintenance: Name: Tel: Fax:



**Singapore
Telecom**

Advance Capacity Order for Connection Service

Date: _____

To: ~~Manager, Network Integration and Interconnect~~

~~Fax: 65 6848 4113~~

Requesting Licensee: _____

Name: _____

Telephone: _____

Fax No: _____

Address: _____

1. ~~Submarine Cable System~~

--

2. ~~Period~~

For a period of six months:
From Date/Month/Year :

3. ~~Link Profile: (Applicable to Group A & B Cable Systems)~~

Link Connection Interface	Quantity
(a) Electrical Link (number of co-axial cable pair)	
(b) Optical Link (number of fibre pair) — Service link	
(c) Optical Link (number of fibre pair) — Protection link	

4. ~~Capacity Order Profile: (Applicable to Group B Cable Systems)~~

Capacity Activation Order	Quantity
VC12	
VC3	
VC4	

Submitted By:

Name & Signature: _____ Company Stamp: _____



**Singapore
Telecom**

~~Link Deactivation Request~~

Date:

To: ~~Manager, Network Integration and Interconnect~~

~~Fax: 65-6848-4113~~

1.	Requesting Licensee:	
	Name:	
	Signature:	
	Telephone:	
	Faexsimile:	
	Companant Stamp:	
2.	Submarine Cable System:	
3.	Link Connection:	Electrical co-axial cable / Optical fibre
4.	Capacity Designation:	
5.	Cable System Circuit Allocation:	
6.	ODF/DDF Port Assignment: (SRV/PRT)	
7.	Fibre/Co-axial Patch Cord Assignment: (SRV/PRT)	
8.	Intended Link Deactivation Date:	
9.	Contacts for Test/Maintenance:	Name:
		Tel:
		Fax:



~~Capacity Deactivation Request~~

~~Date:~~

~~To: Manager, Network Integration and Interconnect
Fax: 65 6848 4113~~

1.	Requesting Licensee: Name: Signature: Telephone: Facsimile: Company Stamp:
2.	Submarine Cable System:
3.	Circuit Designation:
4.	Cable System's Circuit Allocation:
5.	Intended Capacity Deactivation Date:
6.	Contacts for Test/Maintenance: Name: Tel: Fax: