



**CONSULTATION DOCUMENT**

**INTERCONNECTION OFFER FOR THE PROVISION OF SERVICES ON THE  
NEXT GENERATION NATIONWIDE BROADBAND NETWORK –  
NETWORK COMPANY**

**PROPOSED CO-LOCATION SPACE & SERVICE IN CO-LOCATION ROOM 1 &  
CO-LOCATION ROOM 2**

**27 May 2013**

## PROPOSED CO-LOCATION SPACE & SERVICE IN CO-LOCATION ROOM 1 & CO-LOCATION ROOM 2

### INTRODUCTION

1. OpenNet Pte Ltd ("**OpenNet**") was selected to build, operate and maintain the passive infrastructure of the Next Gen NBN as the Network Company ("**NetCo**"). On 30 October 2009, IDA approved the NetCo Interconnection Offer ("**ICO**") for OpenNet to offer certain Mandated Services to its Requesting Licensees ("**RLs**"). The provision of co-location service is part of the Mandated Services under Schedule 12 (Co-Location Service) to the ICO.
2. Under Schedule 12 to OpenNet's ICO, OpenNet provides co-location services of up to a heat load limit of: (a) 900 watts per square metre; and (b) 1.5 kilowatts per rack at its Central Offices ("**COs**"). As more equipment with higher heat load is deployed in OpenNet's COs, additional cooling facilities are required. On 9 May 2012, IDA approved the terms and conditions for OpenNet to offer supplementary cooling services at its COs under Schedule 12B (Co-Location Supplementary Cooling Service) to its ICO.
3. Subsequently, the Co-Location Space at several OpenNet COs reached near full utilisation and additional Co-Location Space was required. IDA approved OpenNet's Schedule 12C (Co-Location Space & Service in New Co-Location Room) on 20 February 2013 for OpenNet to offer additional Co-Location Space. In the approved Schedule 12C, OpenNet had structured the cooling service to be part of the co-location space service offer.
4. In order to align the offers of co-location service, OpenNet has submitted a proposed set of terms and conditions, to merge Schedule 12 – Co-Location Service, Schedule 12B – Co-Location Supplementary Cooling Service and Schedule 12C – Co-Location Space & Service in New Co-Location Room) into a new Schedule 12 – Co-Location Space & Service in Co-Location Room 1 & Co-Location Room 2 ("**New Schedule 12**"), for IDA's approval. In addition, OpenNet has proposed a different charge for Tuas CO from the other COs given the difference in the heat load limit for Tuas CO and the fact that there is currently no demand to align the heat load limit for Tuas CO with that of the other COs. OpenNet has also provided the associated changes to the Main Body of the ICO, Schedule 15 (Charges) and Schedule 18 (Dictionary).
5. Separately, OpenNet has proposed that the physical provisioning of the Co-Location Service and Co-Location Supplementary Cooling Service in the existing Co-Location Rooms, and the Co-Location Space & Service in the New Co-Location Rooms, will remain unchanged and will not be affected by the adoption of the New Schedule 12.

## REQUEST FOR COMMENTS

6. IDA finds merit in OpenNet's proposal to merge Schedule 12, Schedule 12B and Schedule 12C into one schedule for all co-location services provided by OpenNet. This will minimise confusion to the industry and is more in line with the current industry practice. IDA hereby invites interested parties to submit written comments regarding OpenNet's proposed New Schedule 12.
7. As the New Schedule 12 is modelled closely on Schedule 12C, and given that Schedule 12C has only recently been consulted on and approved, IDA is unlikely to require OpenNet to make further changes to the terms already approved under Schedule 12C. unless there are strong justifications to amend those terms.
8. In order to facilitate industry's consideration of this proposal, below are the indicative charges for the New Schedule 12, based on IDA's preliminary review, for uniform pricing across all co-location space and services offered by OpenNet (except Tuas CO):

S/No	Description	Indicative Charges
1	New Schedule 12 (except Tuas CO)	S\$990 - S\$1,200 per rack space (with 3kW heat load limit per rack)

For the avoidance of doubt, IDA is not consulting the industry on the indicative charges for the New Schedule 12. IDA will finalise the charges when IDA makes a determination on OpenNet's proposed New Schedule 12 ("New Schedule 12 Charges"). If the New Schedule 12 is adopted after consultation, IDA intends to apply the New Schedule 12 Charges as follows:

- (a) The New Schedule 12 Charges shall replace the charges under Schedule 12 and Schedule 12B with effect from the effective date of New Schedule 12; and
- (b) The New Schedule 12 Charges shall be applied to Schedule 12C retrospectively i.e., from the date when Schedule 12C was effective.

IDA seeks further comments from interested parties on the proposed application of the New Schedule 12 Charges.

9. IDA would also like to seek comments from the industry if there should be a different charge for Tuas CO given that the heat load limit per rack is only 1.5kW.

10. IDA requests that comments be presented in the following format:
  - (a) Description of the respondent and its interest in the proceedings;
  - (b) Summary of the respondent's position;
  - (c) General comments; and
  - (d) Views regarding specific provisions of the proposed New Schedule 12.

Respondents who have submitted comments to IDA's consultations in the past twelve (12) months will not be required to submit Paragraphs 10(a) and 10(b), unless there are changes.

11. In all comments, respondents should identify the specific provisions of the New Schedule 12 (by paragraph/section number, where provided) to which comments are made. Where appropriate, respondents may suggest additional or alternative language, provided always that any such suggestions should be accompanied by an explanation of the reason for the proposal. All respondents are requested to keep their comments clear and succinct.
12. All views and comments should be submitted in soft copy (preferably in Microsoft Word format) via email to: IDA\_Consultation@ida.gov.sg, with the subject "Consultation for Network Company Proposed Co-Location Space & Service in Co-Location Room 1 & Co-Location Room 2" and should reach IDA by **12 noon, 10 June 2013**.

For each set of comments, respondents are required to include their personal/company particulars as well as their correspondence address. Views and comments should be addressed to:

Ms Aileen Chia  
Deputy Director-General (Telecoms & Post)  
Infocomm Development Authority of Singapore  
10 Pasir Panjang Road  
#10-01 Mapletree Business City  
Singapore 117438

13. IDA reserves the right to make public all or parts of any written submissions made in response to this consultation, and to disclose the identity of the respondent. Any part of the submission which the respondent considers to be commercially sensitive must be clearly marked and placed as a separate annex to the comments raised. IDA will take this into consideration when disclosing the information submitted.