

CONSULT21

**BT** wholesale

BRIEFING

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**Siting of Interconnect Nodes for NGN  
Call Conveyance PSTN Emulation and  
Wholesale Broadband Connect –  
Supplementary Information**

*Draft 1 : Briefing C21-NS-017*

*Date: 13 June 2007*

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**IMPORTANT NOTE**

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# 1 Background

BT issued Consultation C21-NS-014 'Siting of Interconnect Nodes for NGN Call Conveyance PSTN Emulation and Wholesale Broadband Connect' on 25 May 2007. This supplementary briefing has been issued to answer two questions raised by Communications Providers (CPs) at the Interconnect and Portfolio Working Group on 31 May 2007.

## 2 Process for Handling Consultation Queries

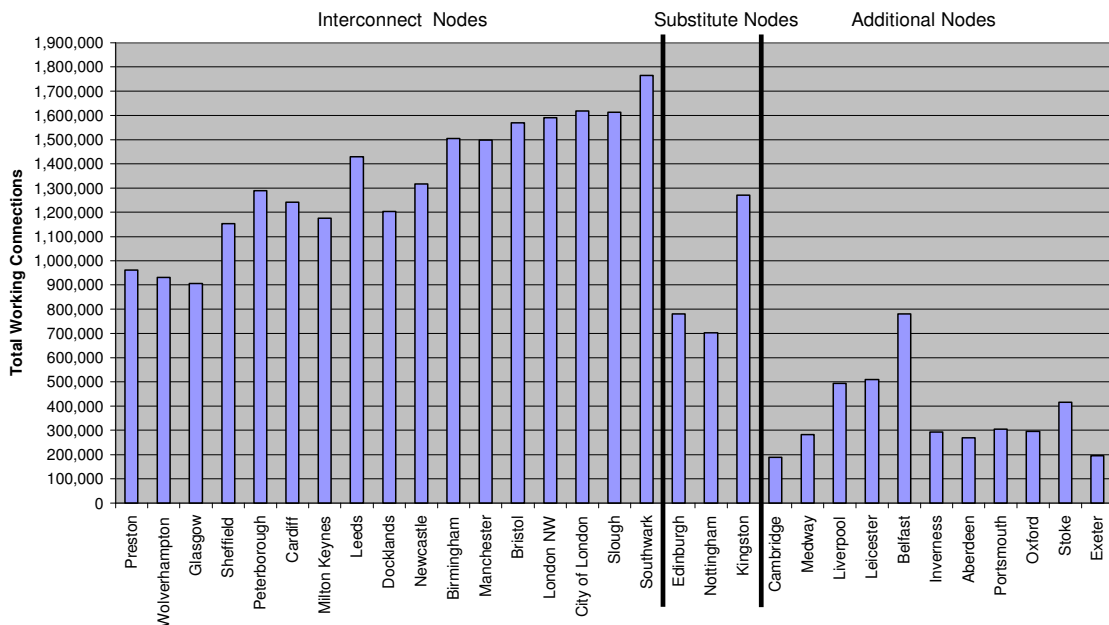
Any further questions from Communications Providers on this consultation should be sent to [john.morden@bt.com](mailto:john.morden@bt.com), [john.a.davey@bt.com](mailto:john.a.davey@bt.com) and [chris.evans@bt.com](mailto:chris.evans@bt.com).

## 3 Questions raised by CPs

### 3.1 Why are the traffic figures for Cambridge so low?

3.1.1 The traffic figures for Cambridge are low because the number of lines parented on Cambridge are low. Details of the number of lines that would be parented on each of the 31 Interconnect nodes are summarised in the chart below<sup>1</sup>. In the case of Belfast, all the lines in Northern Ireland have been shown as parented on the Belfast Interconnect node.

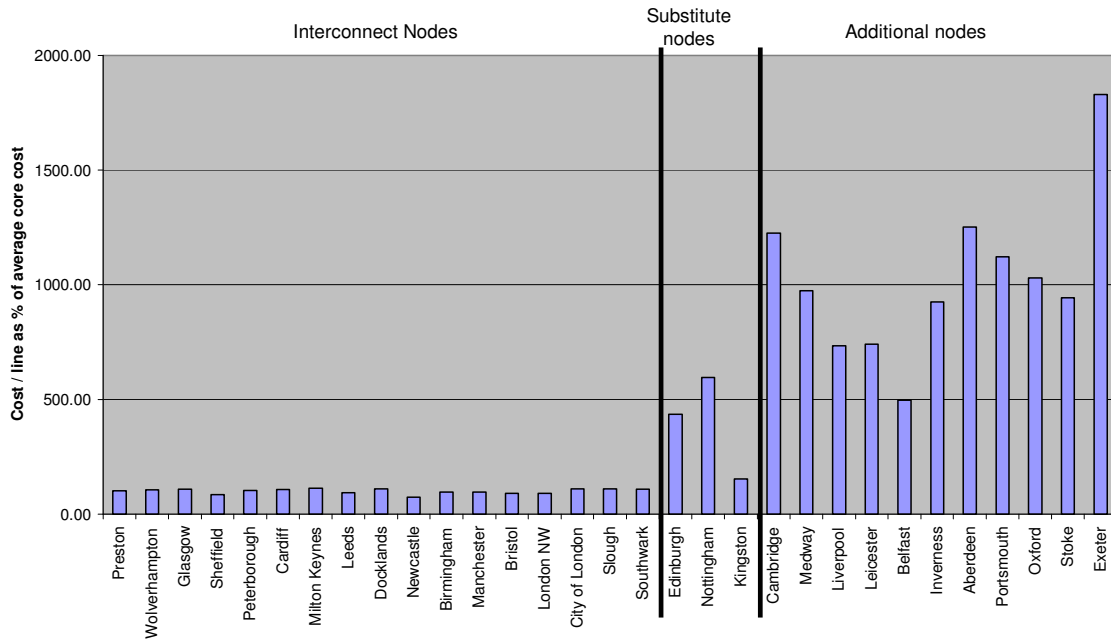
**Figure 1 - 31 Interconnect nodes - Customer lines, accessibility**



<sup>1</sup> The lines for BT's original 20 nodes show a more even distribution. Similarly the incremental costs for the 3 substituted nodes would be in line with the other 17 original interconnect nodes shown in figures 2 and 3.

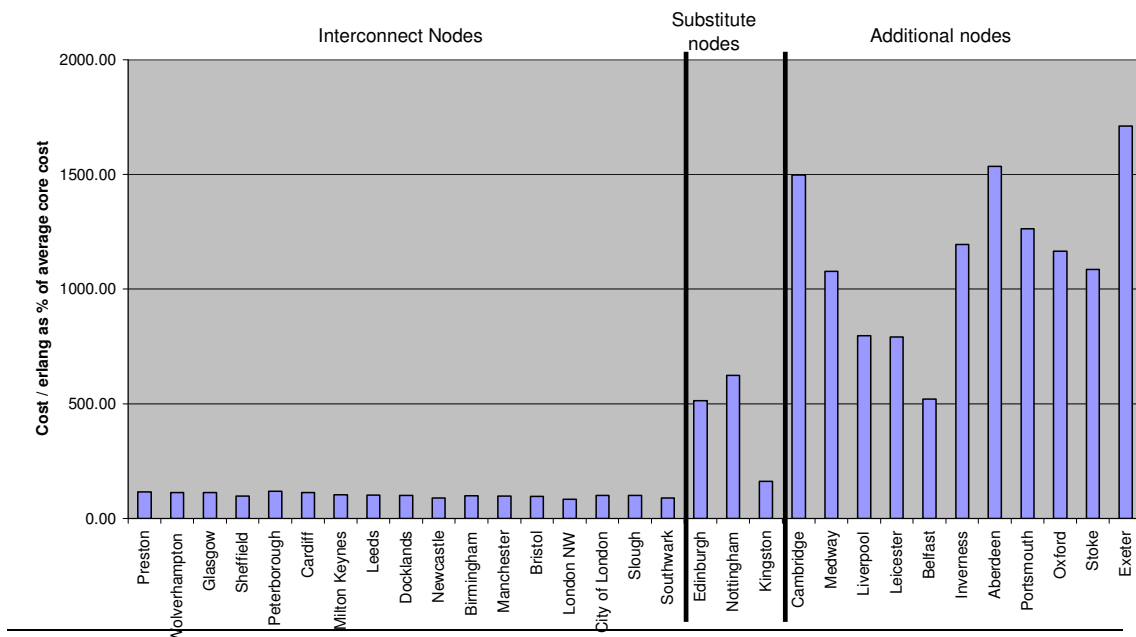
3.1.2 The incremental cost per line as a percentage of average core cost is shown in Figure 2 below.

**Figure 2 - 31 POSIs - Incremental Cost Per Line**



3.1.3 We also took the opportunity to check the validity of the traffic analysis in the original Consultation Document and regrettably found that one of the data files used was corrupted. The overall picture does not change, with the 20 Interconnect nodes proposed by BT carrying around four times the average traffic carried by the 11 additional nodes. However, the 11 additional nodes form a more homogeneous group than is shown in the consultation document, with the traffic profiles for Cambridge, Inverness and Belfast not as significantly different from the other 8. Traffic forecasts for Cambridge and Inverness were previously understated, whilst Belfast was overstated. The revised results correspond to those shown for lines in figure 2.

**Figure 3 - 31 Interconnect nodes - Incremental Cost Per Erlang**



### ***3.2 If edge equipment is sited at the 3 substitute sites how would the backhaul costs to the original sites be accounted for?***

The backhaul costs would be included in the Broadband cost stacks and also the cost stacks for calls. In the case of the latter, the costs would be applied to the cost stacks for BT-BT calls as well as Interconnect calls.

## ***4 Consultation Timings***

The consultation timings remain:

Consultation document issued to CPs	29 May 2007
Bilateral discussions begin	31 May 2007
Bilateral discussions end	19 June 2007
CP responses required by	19 June 2007
BT publishes Summary of Responses	22 June 2007
BT publishes Conclusions	20 July 2007

**END**