

CONSULT21

BT wholesale

BRIEFING

Siting of Interconnect Nodes for NGN Call Conveyance PSTN Emulation and Wholesale Broadband Connect – Supplement to BT Conclusions to Consultation C21-NS-014

Issue 1 : Briefing C21-NS-024

Date: 10 August 2007

Author : John Davey BT Wholesale

IMPORTANT NOTE

This document is supplied by BT to Communications Providers, being customers of BT Wholesale and or Openreach, as part of the Consult21 consultation process.

Details within it may be subject to change as a result of that process and / or for technical, commercial or operational reasons.

CONTENTS

1	Background	3
2	Process for Handling Consultation Queries	3
3	BT Conclusions on Interconnect Locations for NGN Call Conveyance (PSTN Emulation)	3
	Annex 1 - Glossary	6

1 Background

BT is developing NGN Interconnect Products to enable Communications Providers (CPs) to interconnect with 21CN, BTs Next Generation Network (NGN). The provision of the NGN Interconnect Products will be enabled through the development of a Multi Service Interconnect Link (MSIL) product.

NGNuk, of which BT is a member, has been set up by Ofcom as an independent Industry body to determine the commercial arrangements for NGN interconnect. In this role NGNuk has requested that BT consider providing Interconnect Nodes for the products NGN Call Conveyance (PSTN Emulation) and Wholesale Broadband Connect at 31 locations.

On 29 May 2007, BT presented its response to this request in Consultation C21-NS-014, and sought the views of Communications Providers on certain key issues about the provision of those products. BT published its Conclusions on 3 August 2007 in Briefing Document C21-NS-023, and there was an outstanding issue regarding an additional interconnect location for NGN Call Conveyance (PSTN Emulation) for lines parented on the Metronodes at Aberdeen and Inverness. BT has since given this further consideration with an Industry Experts Group and this document summarises their conclusions and the basis on which BT will proceed.

2 Process for Handling Consultation Queries

Any questions from Communications Providers on this Briefing should be sent to john.a.davey@bt.com john.morden@bt.com and nigel.scott@bt.com .

3 BT Conclusions on Interconnect Locations for NGN Call Conveyance (PSTN Emulation)

In response to the NGNuk request for 31 Interconnect Nodes for NGN Call Conveyance(PSTN Emulation), BT has concluded with industry to provide interconnect at 29 locations.

Location	NGN CC(PE)	WBC	
Aberdeen	YES	NO	METRO053
Belfast	YES	NO	METRO080
Birmingham	YES	YES	METRO018
Bristol	YES	YES	METRO002
Cambridge	YES	NO	METRO073
Cardiff	YES	YES	METRO050
City of London	YES	YES	METRO009
Docklands	YES	YES	METRO016
Edinburgh	YES	YES	METRO029
Exeter	YES	NO	METRO088
Glasgow	YES	YES	METRO017
Leeds	YES	YES	METRO001
Leicester	YES	NO	METRO093
Liverpool	YES	NO	METRO092
London NW	YES	YES	METRO003
London SW	YES	YES	METRO036
Manchester	YES	YES	METRO006
Medway ¹	YES	NO	METRO069
Milton Keynes	YES	YES	METRO011
Newcastle	YES	YES	METRO012
Nottingham	YES	YES	METRO059
Oxford	YES	NO	METRO070
Peterborough	YES	YES	METRO013
Portsmouth	YES	NO	METRO101
Preston	YES	YES	METRO014
Sheffield	YES	YES	METRO007
Slough	YES	YES	METRO015
Southwark	YES	YES	METRO004
Wolverhampton	YES	YES	METRO019

¹ Please note, Medway Metronode is NOT located at Medway ATE in Chatham

It will be possible for a CP to obtain the lowest rate available to them from BT for all lines by interconnecting at 27 of the 29 Interconnect locations. Each BT line will be parented for NGN Call Conveyance (PSTN Emulation) interconnect on one of the 27 Interconnect Nodes. It will not be necessary to interconnect at Belfast and Aberdeen. Under the interim charging arrangements for the lines parented there, blended rates will be available from one or more of the other 27 as well. It will be for NGNuk to agree what arrangements will apply under the Replacement Charging Methodology, but for the avoidance of doubt the view of the Experts Group which considered these changes is that connection to Belfast/Aberdeen should be optional i.e. not essential to achieve lowest cost interconnection.

Lowest Rate Interconnect for NGN CC(PE) for all lines in Northern Ireland will also be available from Belfast where there will be a Border Gateway and Routing capability. A Call Server and Signalling Firewall will also be located in Northern Ireland.

To meet the NGNuk requirement for Interconnect at Aberdeen and Inverness, Lowest Rate Interconnect for NGN CC(PE) for lines parented on Aberdeen and Inverness Metronodes will also be available from Aberdeen. BT will carry out a feasibility study on how best to achieve this at a cost that is acceptable to BT and CPs. This will include consideration of the location of Border Gateways, Routers and tromboning traffic from Inverness via other Metronodes.

It was concluded that Stoke and Inverness would not be required as interconnect locations

END

Annex 1 - Glossary

21CN	Twenty First Century Network
BEA	Broadband Edge Aggregation
BCM	Business Continuity Management
BGW	Border Gateway
CPs	Communications Providers
EEA	Ethernet Edge Aggregation
MSIL	Multi Service Interconnect Link
NGN	Next Generation Network
NGN CC (PE)	NGN Call Conveyance (PSTN Emulation)
POH	Point of Handover
POSI	Point Of Service Interconnect
PSTN	Public Switched Telephone Network
SFW	Signalling Fire Wall
WDM	Wave Division Multiplexing
WBC	Wholesale Broadband Connect