

CONSULT21

BRIEFING

BT wholesale

21CN IPstream (ADSL) Migration: CP Participation in BTW BB Service Capability Connectivity Trials

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IMPORTANT NOTE

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DOCUMENT HISTORY

Issue 1 – 24/04/07	First Issue to introduce the CP's to the network BB trials approach.
	It is unlikely that this document will be updated as it represents a time limited opportunity for CP participation in BTW early testing and trialling activity.

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1. Introduction and Overview

At the IMWG (BB Migration Experts) meeting held on the 23rd April 2007, BTW presented and discussed with its Communication Provider (CP) customers, its proposed assurance framework for the migration of its existing IPstream ADSL and end user base to 21CN.

The three key principles underlying the assurance framework are:

- Fail Fast - mitigate against failures further down the development and delivery lifecycle by testing critical elements as early as possible
- CP Engagement – based on strong, open relationships to ensure that as the assurance framework is developed CP concerns and feedback is incorporated such that the widest practicable assurance is given ahead of 21CN migration
- CP Participation - proactive and collaborative approach to proving the integrity of the 21CN IPstream, including opportunities for active CP participation ahead of 21CN migration to verify “real life” scenarios.

1.1 Context within BB Migration Experts plan

In accordance with these principles and following discussions with CPs at the BB Migration Experts meeting on 23rd April, BTW is extending the scope of its Infrastructure FOA BB trials activity **by inviting a number of CPs to participate in a Service Capability Connectivity Trial during mid –late May 2007 onwards.**

The purpose of overall CP participation within the Testing Assurance Framework is to support the validation of end-to-end service connectivity between 21CN and its existing BB infrastructure ahead of later scheduled service trialling activity (FOA1/Friendly User and FOA2/Early Onload activity)

1.2 Purpose of this briefing

This document outlines an opportunity for CP participation in the Service Capability Connectivity Trial and invites CPs to:

- register their interest [see section 1.3.2]
- attend an initial audio [see section 1.3.3] in order that the necessary arrangements may be made for CP participation and CP feedback on testing requirements can be more fully understood.

1.3 Next Steps including CP actions

1.3.1 Review at BB Migration Experts

The approach outlined in this briefing was reviewed prior to issue at the BB Migration Experts (Service Testing Workshop) on 23rd April 2007 including an opportunity for questions and/or comments.

1.3.2 CP Registration

CPs are invited to consider whether they would be interested in participating in the BB infrastructure Connectivity Trial with BTW. CPs can register their interest by

emailing consult21@bt.com with “BB Service Capability Connectivity Trial” in the subject line of the email.

It would be helpful if CPs could indicate the following in their registration:

1. If the CP can/cannot support BTW in this phase of testing and if they can would that be by:
 - Providing directly to BTW a number of test user dynamic internet routable accounts for use by the test robot
2. CP Lead Contact Name/email address/telephone
3. Any questions of clarification required (so that they can be tackled on the audio on the 3rd May (see section 1.3.3)

CPs are asked to note the minimum requirements for participation and the timescales for the commencement of the Service Capability Connectivity Trial (and therefore CP participation in it) when considering registering their interest in participating as outlined in section 2 of this briefing

1.3.3 Follow up audio for registrants/those considering participation

Consult21 has scheduled a follow-up audio for those CPs registering their interest or considering registering their interest in participation in the Service Capability Connectivity Trial. The details of this audio are:

Thursday 3rd May 2007 @ 14.00 (max 1 hour)

Dial in details – 0800 032 1608, pin 504919#

2. Broadband and the Assurance Framework

2.1 Assurance Framework

BTWs proposed assurance framework for IPstream ADSL migration is illustrated in Figure 1 below. The diagram illustrates the relative phasing of the test and trialling activities leading up to the IPstream service trial and early onload of users. The scope statements refer to the Infrastructure FOA activity.

Figure 1 – IPstream ADSL – Assurance Framework

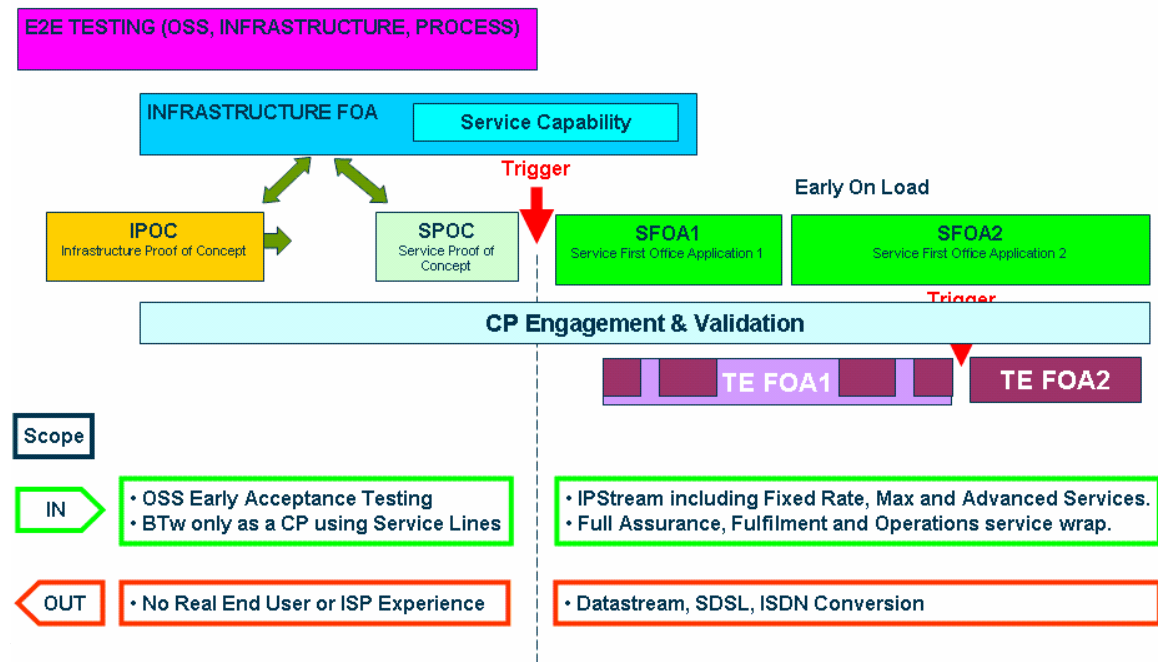
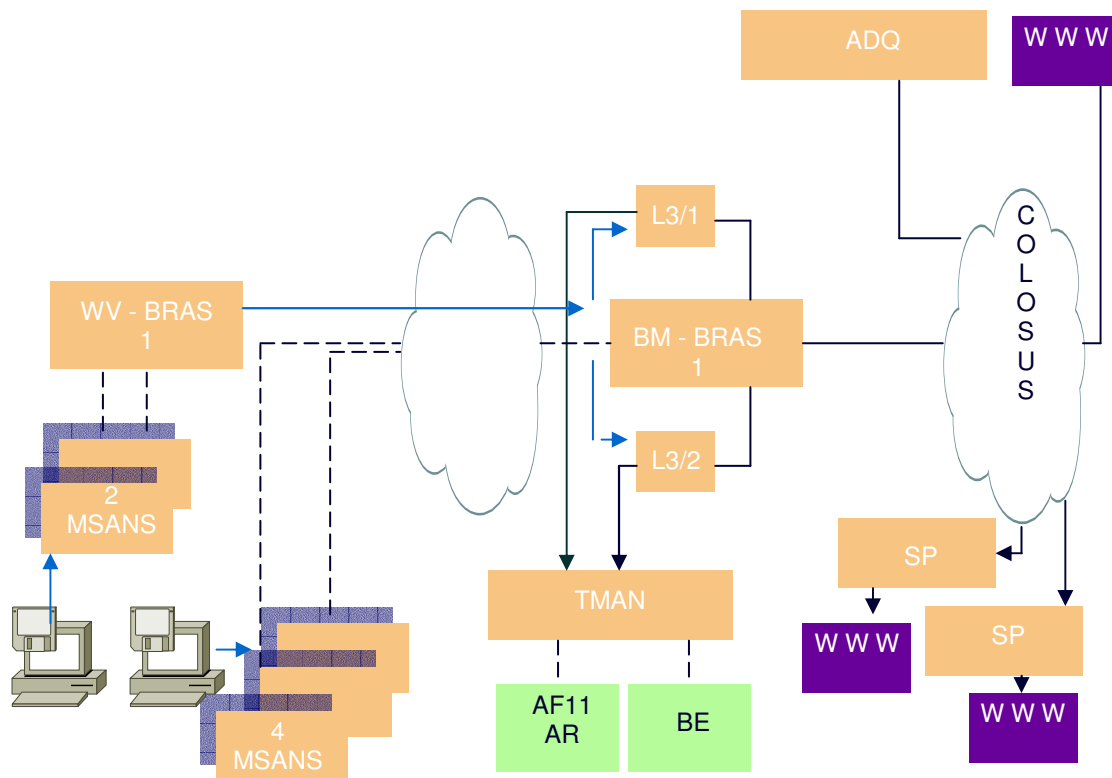


Figure 2 – 21CN IPstream end-2-end connectivity



The diagram above (figure 2) illustrates the connectivity from the DSL test line through to the ISP domain.

2.3 Broadband Service Capability Connectivity Trial

2.3.1 Trial Scope

The Service Capability Connectivity Trial will address three main areas.

- Service Component Integration
- Service Capability Proving
- Performance Management

2.3.2 CP participation/Trial Requirement

In order to complete the Network FOA Trial and validate end-to end connectivity across all the range of Central Variants, BTW requires the support of a representative sample of CPs.

Participation requires minimal support from CPs from a day to day perspective as BTW simply requires CPs to provide:

- multiple BB enabled test account, USERID and password to authenticate across all the central variants connection [these will be used by robots to conduct testing]
- support from the CP technical contact to work with the BTW technical lead in cases where connectivity issues are experienced between 21CN and the CP domains to support identification of the location and nature of the problem

2.3.3 CP Selection Criteria

As with the earlier IPoC Connectivity trial for BB, ideally BTW is looking to validate each of the connectivity scenarios and in circumstances where a large number of CPs register to participate, BTW will make its selection on this basis based on covering Advanced Services , PTA , virtual domains and all central variants

2.3.4 Test Results publication

BTW will publish through the 21CN Testing database (which can be found at <http://21cntestingdb.bt.com>) the results of the Service Capability Connectivity Trial and review them with CPs through the BB Migration Experts Forum (Service Testing Workshops)

The Service Capability Connectivity Trial results will be declared at the level of line rate and central product combinations, however any CP domain specific issues will remain confidential between BTW and the specific CP.

2.3.5 Test Schedule

The Service Capability Connectivity Trial is planned to take place commencing mid to late May dependent upon progress on delivery of core network infrastructure into trial.

CP test accounts supplied by trial participants will be used to generate live end to end traffic across 21CN broadband trial network. This will support BTWs (and CPs) understanding of the impacts of network resilience testing and service capability during the operation of the trial.

The test robot will repeat the connectivity/download test at varying intervals during the running of the trial. The robots will only perform end user replication and will create real traffic that will support the Service Capability Connectivity Trial .

END

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