

Test Agreement

Test Description: **nbn**[™] Business Satellite Services
Test Service Program

Test Agreement

Test Description: **nbn**TM Business Satellite Services Test Service Program

Version	Description	Effective Date
1.0	Issued on 28 November 2019	Execution Date
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Environment

nbn asks that you consider the environment before printing this document.

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Test Agreement

Test Description: **nbn**TM Business Satellite Services Test Service Program (**BSSTSP**)

Parties

- nbn co limited (ABN 86 136 533 741) of Level 13, 100 Mount Street, North Sydney NSW 2060 (**nbn**);
- **[Insert party name]** (ABN **[insert ABN]**) of **[insert registered address of Test Participant]** (**Test Participant**).

Background

- A. This document constitutes a Test Description for the purposes of the Standard Test Terms.
- B. The purpose of the Test is to enable **nbn** and Test Participant to test:
 - the capability of **nbn** and Test Participant to deliver the Test Products and Downstream Products;
 - productise **nbn**TM BSS Products within Test Participant's environment;
 - the performance and functionality of each of the Test Products, Components and Features; and
 - the capability of **nbn** and Test Participant to utilise the BSS Portal to order, provision, support, and operate the Test Products.
- C. **nbn** is conducting this Test at different stages of its product development process for each **nbn**TM BSS Product to allow both **nbn** and Test Participant to benefit directly from the results of this Test.

1. Interpretation and definitions

1.1 Interpretation

For the purposes of this Test Description:

- (a) any capitalised term used but not defined in this Test Description has the meaning given to that term in the Standard Test Terms unless expressly specified otherwise; and
- (b) any capitalised term used but not defined in this Test Description or the Standard Test Terms has the meaning given to that term in the following order of precedence:
 - (i) the BSS-ILA; and
 - (ii) standard form of access agreement version of the WBA published on the **nbn** website (**WBA SFAA**).

1.2 Definitions

In this Test Description:

ABP Member has the meaning given to that term in Appendix A clauses 2.3(a)(i)(A), 3.4(a)(i), 4.4(a)(i)(A), 5.4(a)(i) and 6.4(a)(i) (as the context requires).

ABSL2 Test Product means the ABSL2 product provided on a test basis described in Appendix A clause 4.

ABSL3 Test Product means the ABSL3 product provided on a test basis described in Appendix A clause 3.

Access Bandwidth Pool or **ABP** means the optional product feature of the IoT Test Product, the ABSL2 Test Product, the ABSL3 Test Product, the CBHL2 Test Product or the CBHL3 Test Product described in Appendix A clauses 2.3(a), 3.4(a), 4.4(a), 5.4(a) and 6.4(a) (as the context requires).

Agreement means this Test Description and the Standard Test Terms.

BSS Network means the Satellite Network and other network infrastructure owned, controlled or operated by or on behalf of **nbn** between a BSS POI and an Internet Point of Presence.

BSS - ILA means an agreement between **nbn** and Test Participant entitled “**nbn**TM BSS Interim Launch Agreement”.

BSS POI means one of the following points of interconnection between the BSS Network and Test Participant’s network, systems, equipment or facilities:

- (a) Eastern Creek, New South Wales; or
- (b) Wangara Perth, Western Australia.

BSS Portal means the Test Participant web interface which **nbn** makes available from time to time in connection with the Test Product.

CBHL2 Test Product means the CBHL2 product provided on a test basis described in Appendix A clause 5.

CBHL3 Test Product means the CBHL3 product provided on a test basis described in Appendix A clause 6.

Data Usage Limits means any limits, including any application-specific limits, on data usage in respect of either or both uplink and downlink calculated over the course of a specified length of time.

EOI Request means the document titled ‘Business Satellite Services (BSS) Test Service Program Request for Expressions of Interest’ dated on or about 4 November 2019.

Internet Point of Presence means the first point at which traffic carried by the BSS Network is transferred to or from the Internet via peering links.

IoT Test Product means the IoT product provided on a test basis described in Appendix A clause 2.

nbn Indemnified Parties means **nbn**, each of **nbn**’s Related Bodies Corporate, each of the Personnel of **nbn** and **nbn**’s Related Bodies Corporate, each of **nbn**’s subcontractors and each of the Personnel of each of **nbn**’s subcontractors.

Satellite Midway Point means the data processing server in the core BSS Network.

Standard Test Terms means the agreement entitled “Test Agreement – Standard Test Terms” entered between **nbn** and Test Participant.

Test Area means a geographical region within the footprint of the BSS Network to which **nbn** offers to supply the relevant Test Product.

Test B-NNI means the NNI product component of a Test Product described in Appendix A clauses 3.2(a), 4.2(a), 5.2(a) or 6.2(a) (as the context requires).

Test BVC means the BVC product component of the ABSL3 Test Product, ABSL2 Test Product, CBHL2 Test Product and CBHL3 Test Product (as the context requires) described in Appendix A clauses 3.2(b), 4.2(b), 5.2(b) and 6.2(b) respectively.

Test Contact means each person appointed by each of **nbn** and Test Participant as:

- (c) their single central contact point regarding the Test; and
- (d) any additional people appointed as contact points in relation to specific matters regarding the Test (such as operational or technical issues).

Test End User means a business or any other user location located in the Test Area to which Test Participant supplies or proposes to supply (as the context requires) a Downstream Product.

Test End User Equipment means any equipment that is used by Test Participant or Test End User in connection with the Test Products, including routers and personal computers.

Test End User Premises means any Premises that is identified in a Test Plan and is owned or occupied by Test Participant or Test End User.

Test IAC means the IAC product component of the VISP Test Product or the IoT Test Product (as the context requires) described in Appendix A clauses 1.2(a) and 2.2(a) respectively.

Test Participant has the meaning given to that term in the “Parties” provision of this Agreement.

Test Participant Equipment means any equipment that is used by Participant in connection with the Test Products, including routers and personal computers.

Test Participant Premises means any Premises that is identified in a Test Plan and is owned or occupied by Test Participant.

Test Product means the VISP Test Product, IoT Test Product, ABSL3 Test Product, ABSL2 Test Product, CBHL3 Test Product and CBHL2 Test Product, as relevant.

Test Product Component means the Test UNI, Test IAC and Test BVC of a Test Product, as relevant.

Test Product Feature means a product feature of a Test Product or a Test Product Component.

Test Small Cell Unit – CBH means a Test Product Component of the CBHL2 Test Product and CBHL3 Test Product, which is:

- (a) connected to the VSAT NTD and is optimised for satellite backhaul;
- (b) is capable of simultaneous 3G (WCDMA) and 4G (LTE) operation;
- (c) uses software defined radio capabilities;
- (d) is monitored and can be managed through the **nbn**TM BSS management network supported through the BSS Portal; and
- (e) supports multiple variants of Transmission (**Tx**) Power as follows:
 - (i) 2 x 5W;
 - (ii) 2 x 20W; or
 - (iii) 2 x 40W.

Test Term means the term of the Test as determined in accordance with clause 8.1.

Test UNI means the UNI product component of a Test Product described in Appendix A clauses 1.2(b), 2.2(b) 3.3, 4.3, 5.3 or 6.3 (as the context requires).

VISP Data Usage Allowance means a Data Usage Limit in respect of the VISP Test Product.

VISP Test Product means the VISP product provided on a test basis described in Appendix A clause 1.

VSAT NTD means a very small aperture terminal network termination device comprising:

- (a) an indoor unit; and
- (b) an outdoor unit comprising an antenna and transceiver.

VSAT NTD – ABSL2 has the meaning given to that term in Appendix A clause 4.3.

VSAT NTD – ABSL3 has the meaning given to that term in Appendix A clause 3.3.

VSAT NTD – CBHL2 has the meaning given to that term in Appendix A clause 5.3(e).

VSAT NTD – CBHL3 has the meaning given to that term in Appendix A clause 6.3(e).

VSAT NTD – IoT has the meaning given to that term in Appendix A clause 2.2(b).

VSAT NTD – VISP has the meaning given to that term in Appendix A clause 1.2(b).

WBA means an agreement between **nbn** and Test Participant entitled "Wholesale Broadband Agreement".

WBA SFAA has the meaning given to that term in clause 1.1.

2. Pre-conditions for participation

To participate in this Test, Test Participant must by the date notified by **nbn**:

- (a) have responded to the EOI Request and been selected by **nbn** to participate in this Test;
- (b) have entered into the Standard Test Terms and this Test Description;
- (c) have completed the relevant on-boarding and certification activities required by **nbn** for this Test;
- (d) be a party to a WBA and, at all such times, be fully compliant with the terms of that WBA; and
- (e) be a party to the BSS-ILA and, at all such times, be fully compliant with the terms of that BSS-ILA.

3. Documentation

- (a) **nbn** may, without limiting clause 8, amend or replace this Test Description by giving 10 Business Days' notice to Test Participant.
- (b) If **nbn** provides notice under clause 3(a), the parties will use reasonable endeavours to work with each other for the purpose of avoiding any inconvenience to either party.

4. Test Product

- (a) Subject to clause 4(b), **nbn** will supply:
 - (i) one instance of either the ABSL2 Test Product or CBHL2 Test Product; and
 - (ii) one instance of one of the following Test Products: VISP Test Product, IoT Test Product, ABSL3 Test Product or CBHL3 Test Product,

to Test Participant during the Test Term in accordance with this Agreement and each applicable Test Plan as updated from time to time.

- (b) **nbn** may supply more Test Products if Test Participant demonstrates, to **nbn**'s satisfaction, that there is mutual benefit in supplying more Test Products.
- (c) Test Participant acknowledges and agrees that:
 - (i) **nbn** may not make all Test Products available at all times during any Test or throughout the Test Term; and
 - (ii) the supply of each Test Product is subject to the availability of any relevant inputs in connection with that Test Product, including any:
 - (A) Test Product Component;
 - (B) Test Product Feature (such as available bandwidth); and
 - (C) equipment, systems and infrastructure,

at the time the Test Participant places an order or at any time during the Test Term, as determined by **nbn** in its discretion.
- (d) Test Participant is responsible for acquiring any required VSAT NTDs as advised by **nbn** in accordance with clause 4(e).
- (e) To the extent necessary to give effect to clause 4(d), and subject to clause 4(k), the terms of the BSS - ILA relevant to the supply of VSAT NTDs to Test Participant are incorporated into this Agreement as if set out in full, with such amendments as necessary to give full effect to the intention of the parties as set out in this Agreement.
- (f) If requested by **nbn**, Test Participant must perform procedural operations in connection with the Test Products through the BSS Portal.
- (g) If **nbn** supplies the ABSL2 Test Product or ABSL3 Test Product to Test Participant, Test Participant must interconnect with **nbn** at one, or if permitted by **nbn** both, of the BSS POIs.
- (h) Unless notified otherwise by **nbn**, Test Participant may only elect which BSS POI(s) to interconnect at once, before the start of the first Test of a relevant Test Product.
- (i) Where **nbn** considers it to be desirable for the supply of the Test Product, and subject to clause 4(k), **nbn** will supply the Facilities Access Service to Test Participant on the same terms as it is supplied under the WBA SFAA.
- (j) To the extent necessary to give effect to clause 4(i), the terms of the WBA SFAA relevant to the supply of the Facilities Access Service to Test Participant are incorporated into this Agreement as if set out in full, with such amendments as necessary to give full effect to the intention of the parties as set out in this Agreement.
- (k) If there is any inconsistency between the terms incorporated by clause 4(j) and the remainder of this Agreement, the remainder of this Agreement prevails to the extent of any inconsistency.
- (l) Test Participant must provide any supporting infrastructure and utilities required in respect of the Test Products, including at Participants Premises, as reasonably specified by **nbn** from time to time, including in any Test Plan.

5. Service Levels

- (a) No service levels apply in connection with this Test, the supply of any Test Product or the supply of the Facilities Access Service in connection with this Test.
- (b) **nbn** may interrupt a Product supplied to a Test Participant's Premises (for example, under a BSS-ILA) to which **nbn** is also supplying or proposing to supply a Test Product and any such interruption will not constitute an Outage or a Service Fault.

6. Test Participant's Obligations

6.1 General Obligations

Test Participant must:

- (a) perform any installation, integration and acceptance testing activities as required by **nbn** from time to time; and
- (b) support and assist **nbn** with the conduct of this Test including by:
 - (i) undertaking Test related activities (including manual processes) in timeframes determined by **nbn** (acting reasonably) and notified to Test Participant;
 - (ii) providing dedicated resources to work with **nbn** to resolve issues that may arise during this Test;
 - (iii) working collaboratively with **nbn** to refine this Test;
 - (iv) notifying **nbn** of any matter which Test Participant considers to be a material error, defect or deficiency in the products, processes or procedures the subject of this Test, as soon as reasonably practicable after becoming aware of that material error, defect or deficiency;
 - (v) without limiting clause 6.1(b)(iv), providing feedback, for the purposes of improving the products, processes or procedures the subject of this Test;
 - (vi) participating in periodic meetings with **nbn** to review test findings; and
 - (vii) performing any other activities as required by a Test Plan.
- (c) prior to the commencement of the testing activities for ABSL3 Test Products, have a B-NNI in place and operational for use with any such testing.

6.2 Test Contact

- (a) Whenever requested by **nbn**, Test Participant must make its Test Contacts available to meet with **nbn's** Test Contacts (either in person or by videoconference) to discuss any matters relating to this Test.
- (b) **nbn** and Test Participant will provide telephone and email contact details of their Test Contacts to each other prior to the start of this Test and maintain and provide updates to these contact details for the duration of the Test Term.

6.3 Reports

- (a) Test Participant must provide the **nbn** account representative with a regular forecast of potential Test locations.
- (b) Test Participant must provide **nbn** with feedback and reporting in the form, and at the times, defined in the Test Plan.
- (c) Test Participant must, where reasonably requested by **nbn** by giving 5 Business Days' notice:
 - (i) meet with **nbn** to review and evaluate the performance of any Test Products; and
 - (ii) use reasonable endeavours to assist **nbn** to obtain information regarding the performance of a Test Product, any infrastructure that is used to supply the Test Product, and **nbn's** relevant processes and procedures.

6.4 Test Results

- (a) Test Participant consents, to **nbn** monitoring and recording, for the purposes of this Test, the usage of Test Products and Downstream Products.
- (b) Test Participant must provide information and feedback to **nbn** regarding the Test Products by:
 - (i) providing information directly to **nbn** as requested by **nbn**; and
 - (ii) immediately notifying **nbn** if Test Participant becomes aware of any actual or likely unexpected or unintended impact of this Test, including in respect of any person not actively participating in this Test.

6.5 Marketing activities

Notwithstanding anything else in this Agreement, Test Participant consents to, and must obtain the written consent of any Test End User to, **nbn** making public details of:

- (a) this Test; and
- (b) the role of **nbn** and Test Participant in relation to this Test, except where Test Participant notifies **nbn** by written notice to the contrary (which must not be unreasonably exercised).

7. Charges

- (a) Subject to clauses 7(c) to 7(f), no charges will apply to this Test or the supply of the Test Products.
- (b) Each party to this Agreement will bear its own costs of participating in this Test.
- (c) If Test Participant acquires the VISP Test Product and that Test Product exceeds 300GB of data usage in two consecutive periods referred to in Appendix A clause 1.2(a)(ii), then in each subsequent period, Test Participant must pay charges for the data usage exceeding 300 GB for that calendar month in accordance with the BSS-ILA Price List.
- (d) Test Participant must pay to **nbn** any applicable charges associated with acquiring VSAT NTDs for the Test in accordance with the BSS-ILA Price List. For the purposes of this clause 7(d):
 - (i) a reference in the BSS-ILA to "VSAT NTD SET 1" is to be read, for the purposes of this Agreement, as a reference to "VSAT NTD – ABSL2", "VSAT NTD – ABSL3", or "VSAT NTD – VISP" (as the context requires);
 - (ii) a reference in the BSS-ILA to "VSAT NTD SET 2" is to be read, for the purposes of this Agreement, as a reference to "VSAT NTD – VISP";
 - (iii) a reference in the BSS-ILA to "VSAT NTD SET 3" is to be read, for the purposes of this Agreement, as a reference to "VSAT NTD – IoT";
 - (iv) a reference in the BSS-ILA to "VSAT NTD SET 4" is to be read, for the purposes of this Agreement, as a reference to "VSAT NTD – VISP";
 - (v) a reference in the BSS-ILA to "VSAT NTD SET 5" is to be read, for the purposes of this Agreement, as a reference to "VSAT NTD – ABSL2", "VSAT NTD – ABSL3" or "VSAT NTD – VISP" (as the context requires in respect of beam edge applications as notified by **nbn**);
 - (vi) a reference in the BSS-ILA to "VSAT NTD SET 6" is to be read, for the purposes of this Agreement, as a reference to "VSAT NTD – VISP";
 - (vii) a reference in the BSS-ILA to "VSAT NTD SET 7" is to be read, for the purposes of this Agreement, as a reference to "VSAT NTD – IoT"; and

- (viii) the charges for supply of VSAT NTD – CBHL2 and VSAT NTD – CBHL3 will be as notified by **nbn**.
- (e) Test Participant must pay to **nbn** any applicable charges associated with acquiring a Test B-NNI for the Test in accordance with the BSS-ILA Price List, with any reference to “B-NNI” being interpreted as references to “Test B-NNI” for the purposes of this Agreement.
- (f) If Test Participant:
 - (i) is a party to a WBA with **nbn**; and
 - (ii) acquires one or more Service Elements of the Facilities Access Service in connection with, but not for use exclusively with the Test Products (e.g. **nbn**TM Building Entry Service),
 then Test Participant must pay to **nbn** any applicable charges for those Service Elements in accordance with the Facilities Access Service Price List and the WBA.

8. Term, termination and withdrawal

8.1 Term and termination

- (a) The supply of each Test Product under this Test Description:
 - (i) will start on the date specified in the applicable Test Plan unless amended by **nbn** by giving Test Participant 20 Business Days’ written notice; and
 - (ii) will end on the earlier of:
 - (A) the date notified in a Cancellation Notice in respect of a Test relating to that Test Product issued in accordance with clause 4 of the Standard Test Terms; and
 - (B) the expiry date for the Test Description as determined in accordance with clause 8.1(b).
- (b) This Test Description will expire on 31 October 2020 unless:
 - (i) terminated earlier in accordance with this Agreement; or
 - (ii) extended by **nbn** by giving notice in writing to Test Participant prior to expiry, in which case this Test Description will expire on that extended date.
- (c) Test Participant acknowledges and agrees that, upon the expiry or termination of this Test Description or the end of a Test relating to a Test Product in accordance with this clause 8, **nbn** may, at its discretion, by giving Test Participant 6 months’ written notice:
 - (i) cease supplying all or the relevant Test Products (as applicable) and remove any related equipment; or
 - (ii) if Test Participant is or becomes a party to another supply agreement under which **nbn** offers to supply a commercial product or products stated to be a replacement or successor to any affected Test Products, transition the supply of the Test Products the terms of that other relevant supply agreement, on and from the date notified by **nbn**.

8.2 Cancellation by **nbn**

Without limiting **nbn**’s rights under the Standard Test Terms, if Test Participant breaches any provision of this Agreement during the Test Term (including failing to comply with any condition in clause 2), **nbn** may immediately:

- (a) cancel Test Participant’s participation in any Test or any part of any Test under this Test Description;
- (b) cease supplying one or more of the Test Products to Test Participant;

- (c) terminate this Test Description; and
- (d) terminate this Agreement.

8.3 Cancellations by Test Participant

- (a) Subject to clauses 8.3(b) and 8.3(c), Test Participant may cancel the supply of a Test Product in respect of a Test End User Premises by giving **nbn** at least 10 Business Days' written notice.
- (b) If Test Participant cancels the supply of a Test Product under clause 8.3(a), Test Participant will:
 - (i) inform **nbn** of the reason for the cancellation; and
 - (ii) use reasonable endeavours to assist **nbn** to mitigate any impact of the cancellation of the Test Product (including by using reasonable endeavours to identify, and procure the participation of, potential substitute end users if requested by **nbn**).
- (c) If Test Participant considers that the supply of a Test Product is resulting in an adverse impact on Test Participant's or Test End User's network or services:
 - (i) Test Participant will immediately notify **nbn**;
 - (ii) **nbn** will take reasonable steps to investigate and attempt to resolve the issue;
 - (iii) Test Participant will provide **nbn** with all reasonably requested assistance in its investigation and resolution activities; and
 - (iv) if the issue is not resolved within 5 Business Days after **nbn** receives Test Participant's notice, Test Participant may require **nbn** to promptly terminate the supply of that Test Product.

8.4 Obligations regarding termination of supply

- (a) The parties will use their reasonable endeavours to work with each other for the purpose of avoiding any inconvenience to any Test End User.
- (b) Without limiting clause 8.1(c), **nbn** is not obliged to supply any Test Product after termination of this Test Description.

9. Liability exclusion

- (a) Notwithstanding anything in the Standard Test Terms, to the full extent permitted by law, Test Participant:
 - (i) must not make a Claim against **nbn** for any Loss suffered or incurred by Test Participant in relation to this Test, the Test Products or this Agreement;
 - (ii) releases and forever discharges **nbn** from all Claims and Liabilities which Test Participant has (or at any time might have or may have had) in relation to this Test, the Test Products or this Agreement; and
 - (iii) indemnifies and holds each of the **nbn** Indemnified Parties harmless in respect of any Loss suffered or incurred as a result, or in connection with the supply of the Test Products other than in respect of **nbn**'s confidentiality obligations under this Agreement.
- (b) To the extent that clause 9(a) does not operate to exclude or limit a party's liability or to indemnify a party against Loss, clauses 10 to 11 of the Standard Test Terms will apply.

10. Test Participant Acknowledgements

Test Participant warrants and agrees that:

- (a) Test Participant has made and has relied on its own investigations, enquiries, knowledge and expertise in respect of all Tests, the Test Products and this Agreement and its own evaluation of any material provided by **nbn** to Test Participant or its Personnel including before the date of this Agreement;
- (b) as part of its investigations and enquiries in respect of all Tests, the Test Products and this Agreement, Test Participant or its representatives have had access to all documents and information they have requested from **nbn** or its Personnel;
- (c) Test Participant has extensive knowledge and experience in relation to the provision of services similar to the Downstream Products and has had the benefit of independent legal, financial and technical advice relating to its proposed participation in this Test and its entry into this Agreement;
- (d) **nbn** has not made, and no Personnel of **nbn** have made, any warranty as to the performance of any Test Product provided to Test Participant or its Personnel before the date of this Agreement; and
- (e) Test Participant is not entering into this Agreement in reliance on, and it may not rely on, any statement of opinion, statement of intention or any other warranty, representation or other statement made or purporting to be made by or on behalf of **nbn** or its or their Personnel, other than as expressly set out in this Agreement.

Execution

Executed as an agreement

Signed for **nbn co limited** by its authorised representatives:

Signature of authorised representative

Signature of authorised representative

Name of authorised representative

Name of authorised representative

Date of signature

Date of signature

Signed for **[insert party name]** by its authorised representatives:

Signature of authorised representative

Signature of authorised representative

Name of authorised representative

Name of authorised representative

Date of signature

Date of signature

Appendix A Test Products

Details of the initial Test Products are provided below. Without limiting its rights under this Agreement, **nbn** may at its discretion amend this Agreement to offer other products as Test Products during the Test Term.

1. VISP Test Product

1.1 Product

The VISP Test Product:

- (a) is a Layer 3 virtual connection that carries traffic between a Test UNI used to serve Test End User Premises and an Internet Point of Presence;
- (b) is supplied by means of the BSS Network;
- (c) enables Test Participant to supply business grade internet services to Test End User Premises; and
- (d) comprises two Test Product Components which Test Participant must acquire and optional or configurable Test Product Features as follows:

Test Product Component (required)	Test Product Feature (optional / configurable)
Test IAC	VISP Data Usage Allowance Bandwidth profile VoIP Prioritisation Encryption Disaster Recovery (DR) * Performance Enhancing Proxy Fleet Plan QoS Marking
Test UNI	IP Address (nbn provided) DC Power * Solar Power Standard Reporting Customised Reporting

(* Subject to availability)

1.2 Test Product Components (required)

(a) Test IAC

(i) The Test IAC:

- (A) terminates on a single Test UNI used to serve a Test End User Premises;
- (B) is a Layer 3 virtual connection between the Test UNI and the Internet Point of Presence; and
- (C) has the following combinations of downstream and upstream peak information rate:

Downstream (Mbps)	Upstream (Mbps)
30	5

(ii) For each rolling four week period, the Test IAC will have the following VISP Data Usage Allowance:

- (A) 100GB -300GB of data (available in 100 GB increments); or
- (B) such other data allowance amount notified by **nbn**.

- (iii) The Test IAC will operate subject to any VISP Data Usage Allowance notified by **nbn** to Test Participant from time to time, including as set out in an applicable Test Plan.
- (iv) Any breach by Test Participant of the VISP Data Usage Allowance may result in **nbn** shaping the information rate for the VISP Test Product in respect of one or more Test End User Premises.
- (v) **nbn** may measure data transfers and traffic related to the VISP Test Product at any time throughout the Test Term.

(b) Test UNI

- (i) The Test UNI:
 - (A) is a RJ-45 port into which Test Participant or Test End User may plug in a Layer 3-capable Test End User Equipment which has been approved by **nbn**;
 - (B) is capable of operating in 10/100/1000 Base-T interfacing modes;
 - (C) supports the 802.1Q VLAN standard;
 - (D) is addressable by an IPv4 Address; and
 - (E) is located on a dedicated VSAT NTD that is optimised for the VISP Test Product (**VSAT NTD – VISP**).

1.3 Test Product Features (optional)

(a) **Disaster Recovery** or **DR** is an optional Test Product Feature of the VISP Test Product that allows Test Participant to access Test IAC bandwidth and data usage allowances during specified circumstances as follows:

- (i) Test Participant may access Test IAC bandwidth selected from the table in section 1.3(a)(ii) along with:
 - (A) an initial DR data usage allowance for each such Test IAC in each rolling four-week period referred to in section 1.2(a)(ii), set at 5GB; and
 - (B) if that initial DR data usage allowance is exceeded for any such Test IAC during each period referred to in section 1.2(a)(ii), additional DR data usage allowance for that Test IAC automatically topped up in 20GB increments.

(ii) The available DR bandwidth profiles are:

CIR/PIR	Forward and Return (Mbps)
PIR	30/1
PIR	30/5

(b) Subject to section 1.3(a), DR and any other Test Product Features of the VISP Test Product will function and perform as determined by **nbn**.

1.4 Other product information

(a) Supported applications

- (i) The VISP Test Product supports applications delivered over IPv4 with NAT including e-mail, web browsing and VoIP.

(ii) Test Participant must agree with **nbn** which such applications to supply or make available to Test End Users.

(iii) **nbn** will not supply or make available any such applications.

(b) Network boundaries

(i) Test Participant is responsible for ensuring that each Test End User has all necessary Test End User Equipment required to support applications supplied or made available by Test Participant.

(ii) To acquire the VISIP Test Product, Test Participant need not connect with **nbn** at, and **nbn** will not supply any connection at, any BSS POI.

(iii) Figure A1 illustrates, at a high level, the VISIP Test Product:

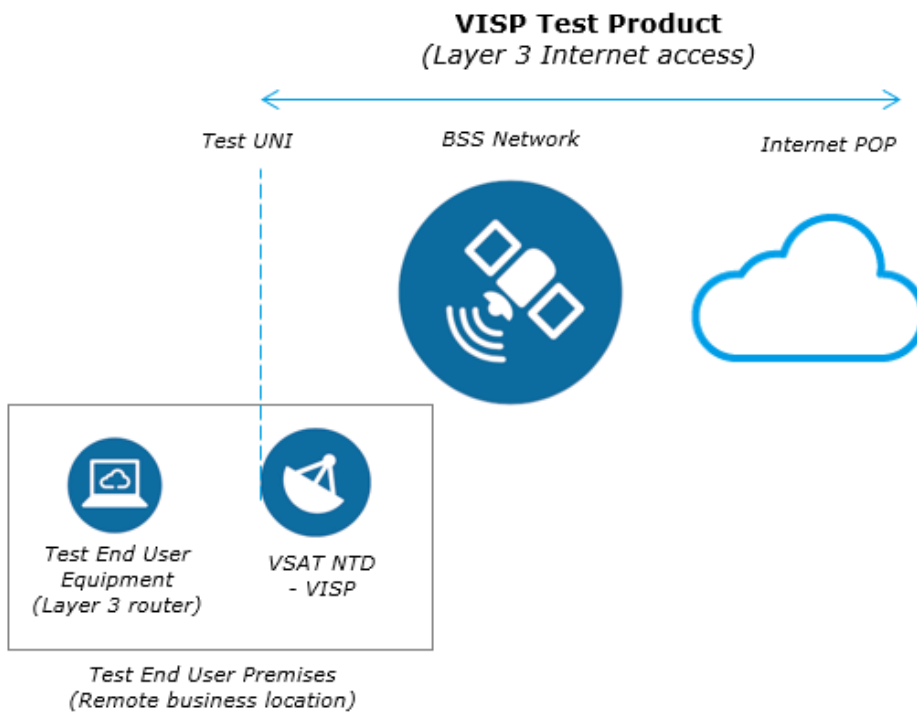


Figure A1: VISIP Test Product

2. IoT Test Product

2.1 Product

(a) The IoT Test Product:

(i) is a Layer 3 low bitrate virtual connection that carries traffic between:

(A) the Test UNI used to serve Test End User Premises; and

(B) an Internet Point of Presence;

(ii) is supplied by means of the BSS Network;

- (iii) enables Test Participant to supply a low bit rate Carriage Service or Content Service to IoT devices owned or operated by Test End Users; and
- (iv) comprises two Test Product Components, which Test Participant must acquire, and a number of optional or configurable Test Product Features as follows:

Test Product Component (required)	Test Product Feature (optional / configurable)
Test IAC	Bandwidth profile ABP Encryption Performance Enhancing Proxy IoT Bandwidth Pool (PIR) *
Test UNI	IP Address (nbn provided) DC Power * Solar Power Standard Reporting Customised Reporting

(*) Subject to availability

2.2 Test Product Components (required)

(a) Test IAC

- (i) The Test IAC:
 - (A) terminates on a single Test UNI used to serve a Test End User Premises;
 - (B) is a Layer 3 virtual connection between the Test UNI and the Internet Point of Presence;
 - (C) has a combination of peak information rate and committed information rate; and
- (ii) To the extent the Test IAC is supplied with:

- (A) a peak information rate, it has one of the following peak information rates:

Downstream and upstream (Mbps)	In increments of (Mbps)
Up to 2	0.01

- (B) a committed information rate, it has one of the following committed information rates:

Downstream and upstream (Mbps)	In increments of (Mbps)
Up to 2	0.01

- (iii) The Information Rate of a Test IAC may be specified as part of an ABP as described in section 2.3(a), instead of being specified separately under section 2.2(a)(ii).
- (iv) The Test IAC may be subject to any Data Usage Limits notified by **nbn** to Test Participant from time to time, including as set out in an applicable Test Plan.
- (v) Any breach by Test Participant of the Data Usage Limits may result in **nbn** shaping the information rate for the IoT Test Product in respect of one or more Test End User Premises.
- (vi) **nbn** may measure data transfers and traffic related to the IoT Test Product, including on an application-specific basis, at any time throughout the Test Term.

(b) Test UNI

- (i) The Test UNI:
 - (A) is a RJ-45 port into which Test Participant or Test End User may plug in the Layer 3-capable Test End User Equipment;
 - (B) is capable of operating in 10/100/1000 Base-T interfacing modes;
 - (C) supports the 802.1Q VLAN standard;
 - (D) is addressable by an IPv4 Address; and
 - (E) is located on a dedicated VSAT NTD that is optimised for the IoT Test Product, or equivalent (**VSAT NTD – IoT**).

2.3 Test Product Feature (optional)

(a) Access Bandwidth Pool (ABP)

- (i) The ABP for IoT:
 - (A) is an optional Test Product Feature that may be supplied in respect of one or more Test IACs (each an **ABP Member**);
 - (B) is specified as a best effort peak information rate to be determined by **nbn** up to a maximum of:

Downstream / Upstream (Mbps) PIR Only
50/13

- (C) may be accessed by multiple ABP Members supplied to Test Participant by **nbn** using a single Beam of the BSS Network; and
- (D) may be added to, or removed from, an ABP Member at any time at **nbn**'s discretion.

(b) The other Test Product Features of the IoT Test Product will function and perform as determined by **nbn**.

(c) A public IP subnet/s needs to be provided by the Test Participant for the ABP members and the Test Participant agrees that **nbn** may publish upstream the IPs allocated to the ABP members from that subnet/s.

2.4 Other product information

(a) Supported applications

- (i) The IoT Test Product supports applications specifically designed or configured for IoT device configuration or connectivity, delivered over IPv4 with optional NAT.
- (ii) Test Participant must co-operate with **nbn** to agree which such applications to supply or make available to Test End Users.
- (iii) **nbn** will not supply or make available any such applications.

(b) Network boundaries

- (i) Test Participant is responsible for ensuring that each Test End User has all necessary Test End User Equipment required to support applications supplied or made available by Test Participant.
- (ii) To acquire the IoT Test Product, Test Participant does not need to connect with **nbn** at, and **nbn** will not supply any connection at, any BSS POI.

(iii) Figure A2 illustrates, at a high level, the IoT Test Product:

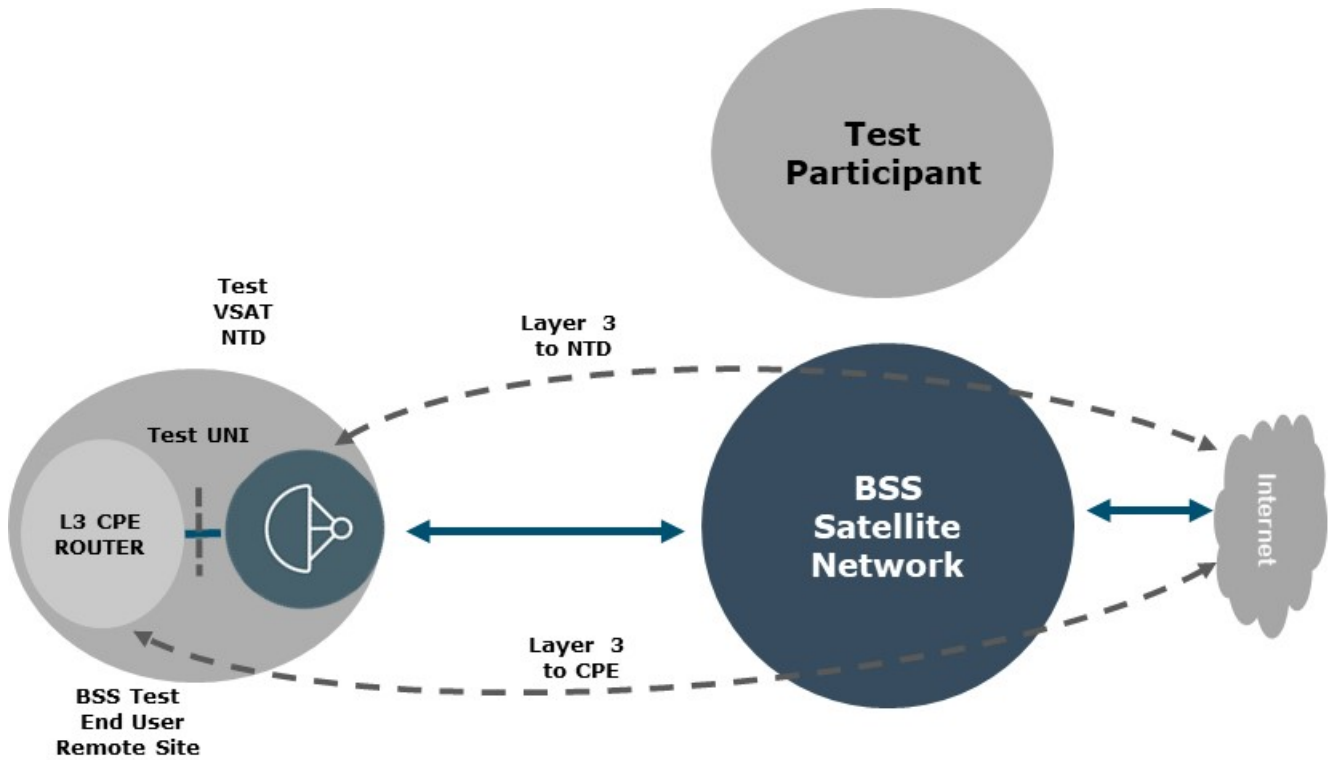


Figure A2: IoT Test Product

3. ABSL3 Test Product

3.1 Product

The ABSL3 Test Product:

- (a) is a Layer 3 virtual connection that carries traffic between a Test UNI used to serve Test End User Premises and:
 - (i) a Test B-NNI at a BSS POI; or
 - (ii) another Test UNI used to serve a Test End User Premises and provided as part of another Test Product;
- (b) is supplied by means of the BSS Network;
- (c) enables Test Participant to supply a Carriage Service or Content Service to a Test End User Premises; and
- (d) comprises three Test Product Components which Test Participant must acquire and optional or configurable Test Product Features as follows:

Test Product Component	Test Product Feature (optional / configurable)
Test B-NNI	Test B-NNI Redundancy
Test BVC	ABP

Test Product Component	Test Product Feature (optional / configurable)
	Bandwidth profile (contended / uncontended) Encryption QoS Marking VoIP Prioritisation Performance Enhancing Proxy Time of Day (ToD) * Bandwidth on Demand (BoD) * ABSL3 Burst Additional VLANs UNI to UNI
Test UNI	DC Power * Solar Power * Standard Reporting Customised Reporting

(*) Subject to availability

3.2 Test Product Components (required)

(a) Test B-NNI

Where a Test B-NNI is required, the Test B-NNI is a physical port at a BSS POI where Test Participant's traffic is handed over to the BSS Network.

(b) Test BVC

(i) The Test BVC:

- (A) terminates on a single Test UNI used to serve a Test End User Premises;
- (B) is a Layer 3 virtual connection between the Test UNI and:
 - (1) a Test B-NNI at a BSS POI; or
 - (2) where the UNI to UNI Test Product Feature is used, the Satellite Midway Point; and
- (C) has a combination of peak information rate and committed information rate.

(ii) To the extent the Test BVC is supplied with:

- (A) a peak information rate for an uncontended ABSL3 Test Product, it has a combination of downstream and upstream peak information rates determined by **nbn** up to a maximum of:

Downstream (Mbps)	Upstream (Mbps)
30	5

- (B) a committed information rate for an uncontended ABSL3 Test Product, it has a combination of downstream and upstream committed information rates determined by **nbn** up to a maximum of:

Downstream (Mbps)	Upstream (Mbps)
10	1

- (iii) The information rate of a Test BVC may be specified as part of an ABP as described in section 3.4(a), instead of being determined separately under section 3.2(b)(ii).
- (iv) To the extent the Test BVC is supplied in connection with a contended ABSL3 Test Product:
 - (A) Test Participant may order:
 - (1) a CIR bandwidth service from one of the bandwidth profiles set out in section 3.2(b)(iv)(B) that can be shared by one or more other Test BVCs on a contended basis; and
 - (2) Test BVCs to be associated with that contended bandwidth (up to the applicable contention ratios set out in section 3.2(b)(iv)(B)); and
 - (B) the bandwidth profiles available to Customer for CIR bandwidth under section 3.2(b)(iv)(A)(1) are:

Contention ratio (BVCs: CIR bandwidth profile ratio)	CIR bandwidth profile Forward/Return (Mbps)				
	10/5	20/5	50/5	20/10	50/10
10:1	10/5	20/5	50/5	20/10	50/10
5:1	10/5	20/5	50/5	N/A	N/A

- (v) The Test BVC will be subject to any Data Usage Limits notified by **nbn** to Test Participant from time to time, including as set out in an applicable Test Plan.
- (vi) Any breach by Test Participant of the Data Usage Limits may result in **nbn** shaping the information rate for the ABSL3 Test Product in respect of one or more Test End User Premises.
- (vii) **nbn** may measure data transfers and traffic related to the ABSL3 Test Product, including on an application-specific basis, at any time throughout the Test Term.

3.3 Test UNI

The Test UNI:

- (a) is a RJ-45 port into which Test Participant or Test End User may plug in the Layer 3-capable Test End User Equipment;
- (b) is capable of operating in 10/100/1000 Base-T interfacing modes;
- (c) supports the 802.1Q VLAN standard;
- (d) is addressable by an IPv4 Address as applicable per Test Product; and
- (e) is located on a dedicated VSAT NTD that is optimised for the ABSL3 Test Product (**VSAT NTD - ABSL3**).

3.4 Test Product Features (optional)

- (a) Access Bandwidth Pool (ABP)

The ABP:

- (i) is an optional Test Product Feature that may be supplied in respect of one or more Test BVCs (each an **ABP Member**);

(ii) is specified as a combination of:

(A) a committed information rate dedicated per beam determined by **nbn** up to a maximum of:

Downstream / Upstream (Mbps)
10/1

(B) a peak information rate dedicated per beam determined by **nbn** up to a maximum of:

Downstream / Upstream (Mbps)
30/5

(iii) single beam may be accessed by multiple ABP Members supplied to Test Participant by **nbn** using a single Beam of the BSS Network; or

(iv) may be added to, or removed from, an ABP Member at any time at **nbn**'s discretion.

(b) ABSL3 Burst

ABSL3 Burst when notified by **nbn**;

(i) is an optional Test Product Feature that may be supplied in respect of an ABSL3 Test Product not operating in an ABP; and

(ii) has the following available Burst options and corresponding minimum CIR bandwidth profile order requirements:

nbn™ BSS Product	Burst Option (Mbps)	Minimum CIR bandwidth profile order requirement	
		Forward (Mbps)	Return (Mbps)
nbn™ ABSL3	10 PIRF	1	1
	20 PIRF	2	1

(c) The other Test Product Features of the ABSL3 Test Product will function and perform as determined by **nbn**.

3.5 Other product information

(a) Supported applications

- (i) Test Participant must supply an IPv4 for each ABSL3 Test Product.
- (ii) The ABSL3 Test Product supports applications delivered over IPv4 with NAT including e-mail, web browsing and VoIP.
- (iii) Test Participant must co-operate with **nbn** to agree which such applications to supply or make available to Test End Users.
- (iv) **nbn** will not supply or make available any such applications.

(b) Network boundaries

- (i) Test Participant is responsible for ensuring that each Test End User has all necessary Test End User Equipment required to support applications supplied or made available by Test Participant.
- (ii) To acquire the ABSL3 Test Product, Test Participant must interconnect (either physically or virtually over secure VPN tunnel) with **nbn** at a BSS POI.

(iii) Figure A3 illustrates, at a high level, the ABSL3 Test Product configured to provide connectivity between a Test UNI serving a Test End User Premises and a BSS POI:

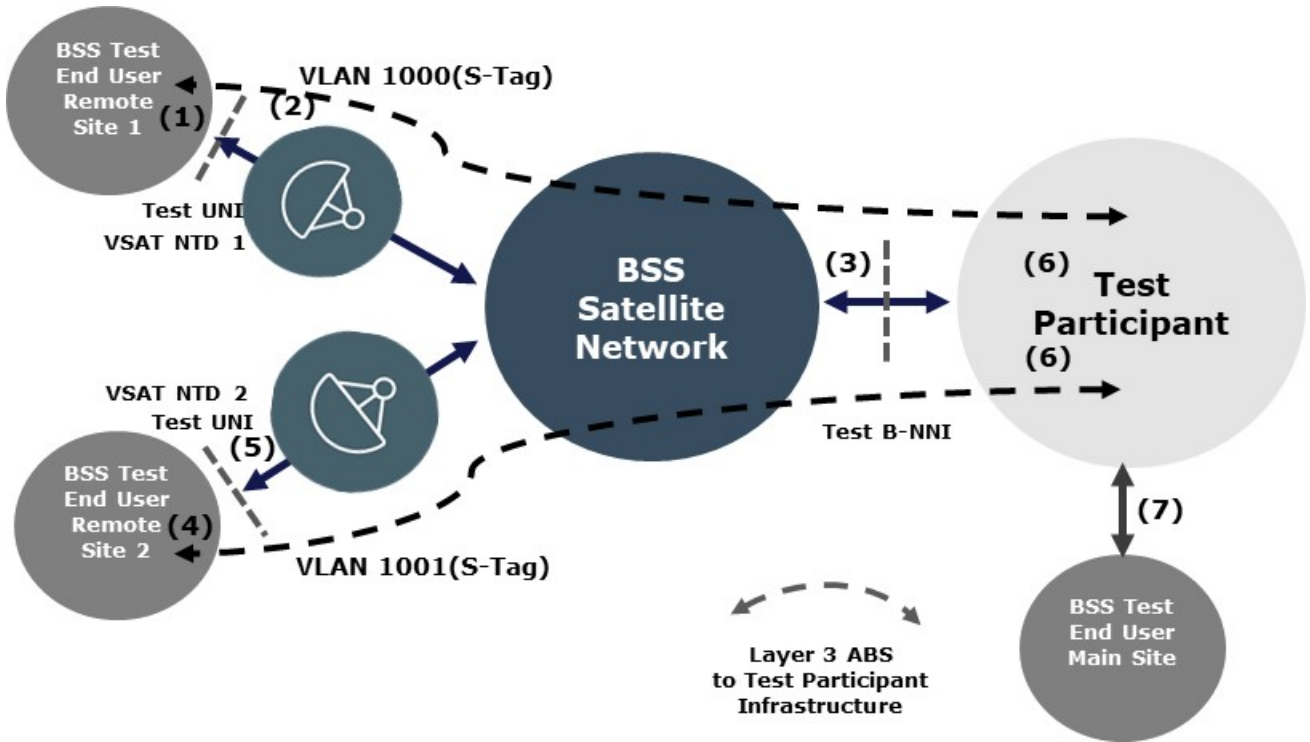


Figure A3: ABSL3 Test Product (Test UNI to BSS POI configuration)

(iv) Figure A4 illustrates, at a high level, the ABSL3 Test Product configured to provide connectivity between a Test UNI serving a Test End User Premises and a Test UNI supplied as part of another Test Product. Traffic flow in UNI to UNI connection is (1) to (4) via UNI (2) and UNI (5) on the VLAN 1000.:

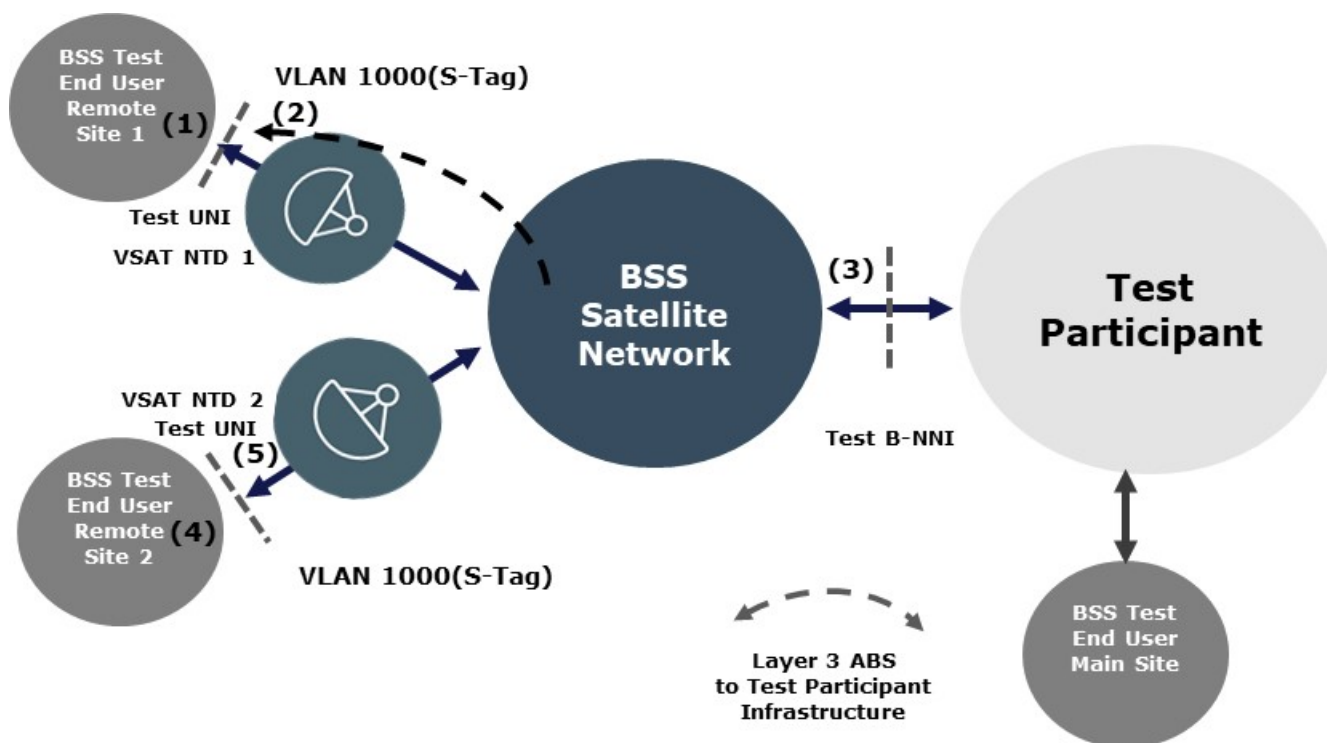


Figure A4: ABSL3 Test Product (Test UNI to Test UNI configuration)

4. ABSL2 Test Product

4.1 Product

The ABSL2 Test Product:

- (a) is a Layer 2 virtual connection that carries traffic between a Test UNI used to serve Test End User Premises and a Test B-NNI at a BSS POI;
- (b) is supplied by means of the BSS Network;
- (c) enables Test Participant to supply a Carriage Service or Content Service to a Test End User Premises; and
- (d) comprises three Test Product Components which Test Participant must acquire and optional or configurable Test Product Features as follows:

Test Product Component	Test Product Feature (optional / configurable)
Test B-NNI	Test B-NNI Redundancy
Test BVC	Bandwidth Profile Encryption QoS Marking Performance Enhancing Proxy Time of Day (ToD) * Bandwidth on Demand (BoD) *
Test UNI	DC Power * Solar Power * Standard Reporting Customised Reporting

(*) Subject to availability

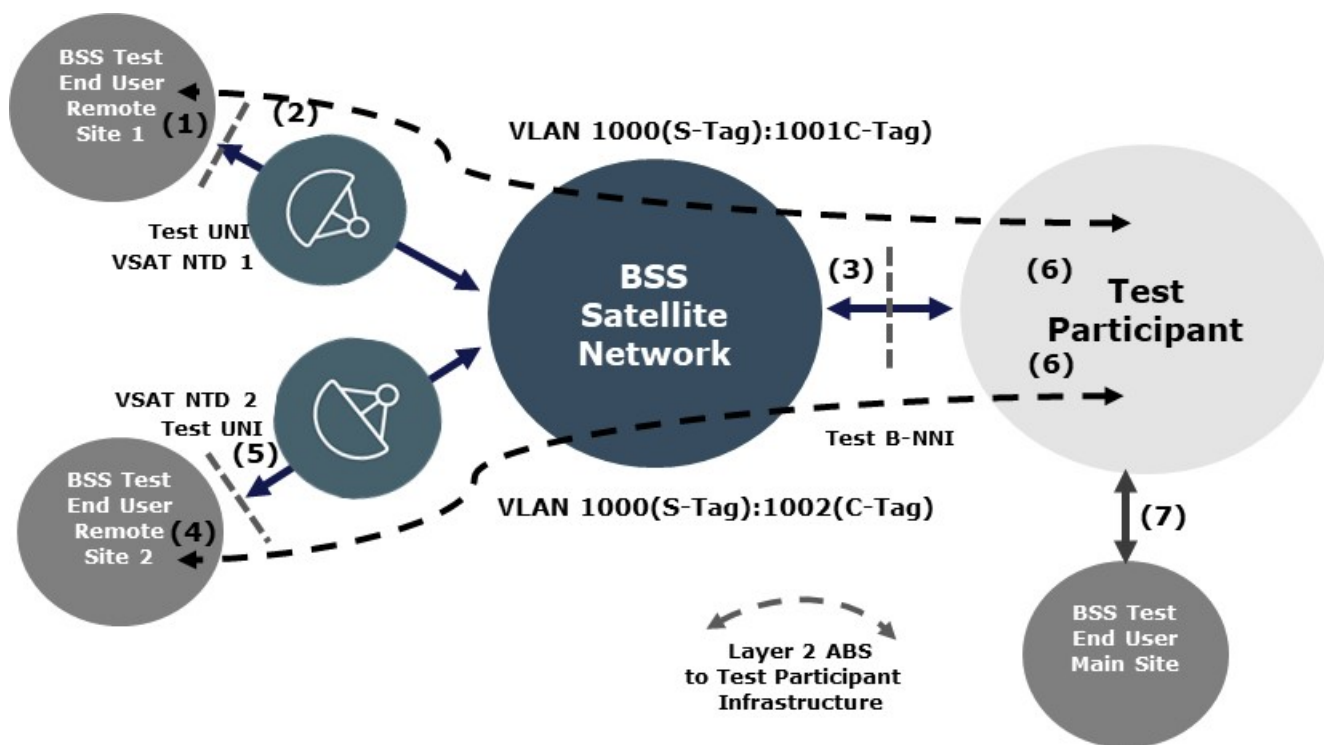


Figure A5: ABSL2 Test Product

4.2 Test Product Components (required)

(a) Test B-NNI

Where a Test B-NNI is required, the Test B-NNI is a physical port at a BSS POI where Test Participant's traffic is handed over to the BSS Network.

(b) Test BVC

(i) The Test BVC:

- (A) terminates on a single Test UNI used to serve a Test End User Premises;
- (B) is a Layer 2 virtual connection between the Test UNI and a Test B-NNI at a BSS POI; and
- (C) has a combination of peak information rate and committed information rate.

(ii) To the extent the Test BVC is supplied with:

- (A) a committed information rate for an ABSL2 Test Product, it has a combination of downstream and upstream committed information rates determined by **nbn** up to a maximum of:

Downstream (Mbps)	Upstream (Mbps)
10	1

- (B) a peak information rate for an ABSL2 Test Product, it has a combination of downstream and upstream peak information rates determined by **nbn** up to a maximum of:

Downstream (Mbps)	Upstream (Mbps)
30	5

- (iii) The information rate of a Test BVC may be specified as part of an ABP as described in section 4.4(a), instead of being determined separately under section 4.2(b)(ii).
- (iv) The Test BVC will be subject to any Data Usage Limits notified by **nbn** to Test Participant from time to time, including as set out in an applicable Test Plan.
- (v) Any breach by Test Participant of the Data Usage Limits may result in **nbn** shaping the information rate for the ABSL2 Test Product in respect of one or more Test End User Premises.
- (vi) **nbn** may measure data transfers and traffic related to the ABSL2 Test Product, including on an application-specific basis, at any time throughout the Test Term.

4.3 Test UNI

The Test UNI:

- (a) is a RJ-45 port into which Test Participant or Test End User may plug in the Layer 2-capable Test End User Equipment;
- (b) is capable of operating in 10/100/1000 Base-T interfacing modes;
- (c) supports the 802.1Q VLAN standard;
- (d) is addressable by an IPv4 Address; and
- (e) is located on a dedicated VSAT NTD that is optimised for the ABSL2 Test Product (**VSAT NTD – ABSL2**).

4.4 Test Product Features (optional)

(a) Access Bandwidth Pool (ABP)

(i) The ABP:

- (A) is an optional Test Product feature that may be supplied in respect of one or more Test BVCs (each an **ABP Member**);
- (B) is specified as a combination of:
 - (1) a committed information rate dedicated per beam to be determined by **nbn** up to a maximum of:

Downstream / Upstream (Mbps)
50/13

- (2) a peak information rate dedicated per beam to be determined by **nbn** up to a maximum of:

Downstream / Upstream (Mbps)
50/13

- (C) single beam may be accessed by multiple ABP Members supplied to Test Participant by **nbn** using a single beam of the BSS Network; or
- (D) may be added to, or removed from, an ABP Member at any time at **nbn**'s discretion.

(b) The other Test Product Features of the ABSL2 Test Product will function and perform as determined by **nbn**.

4.5 Other product information

(a) MAC addresses

- (i) Test Participant will be supplied with a maximum of 10 concurrent MAC addresses that are applied to each Layer 2 service.
- (ii) An unused MAC address flushes every 300 (by default) seconds.
- (iii) Any excess MAC addresses will not have end to end connectivity until any of the exiting MAC addresses flushed, for each ABSL2 Test Product.

(b) Network boundaries

- (i) Test Participant is responsible for ensuring that each Test End User has all necessary Test End User Equipment required to support applications supplied or made available by Test Participant.
- (ii) To acquire the ABSL2 Test Product, Test Participant must interconnect (either physically or virtually over secure VPN tunnel) with **nbn** at a BSS POI.
- (iii) Figure A6 illustrates, at a high level, the ABSL2 Test Product configured to provide connectivity between a Test UNI serving a Test End User Premises and a BSS POI:

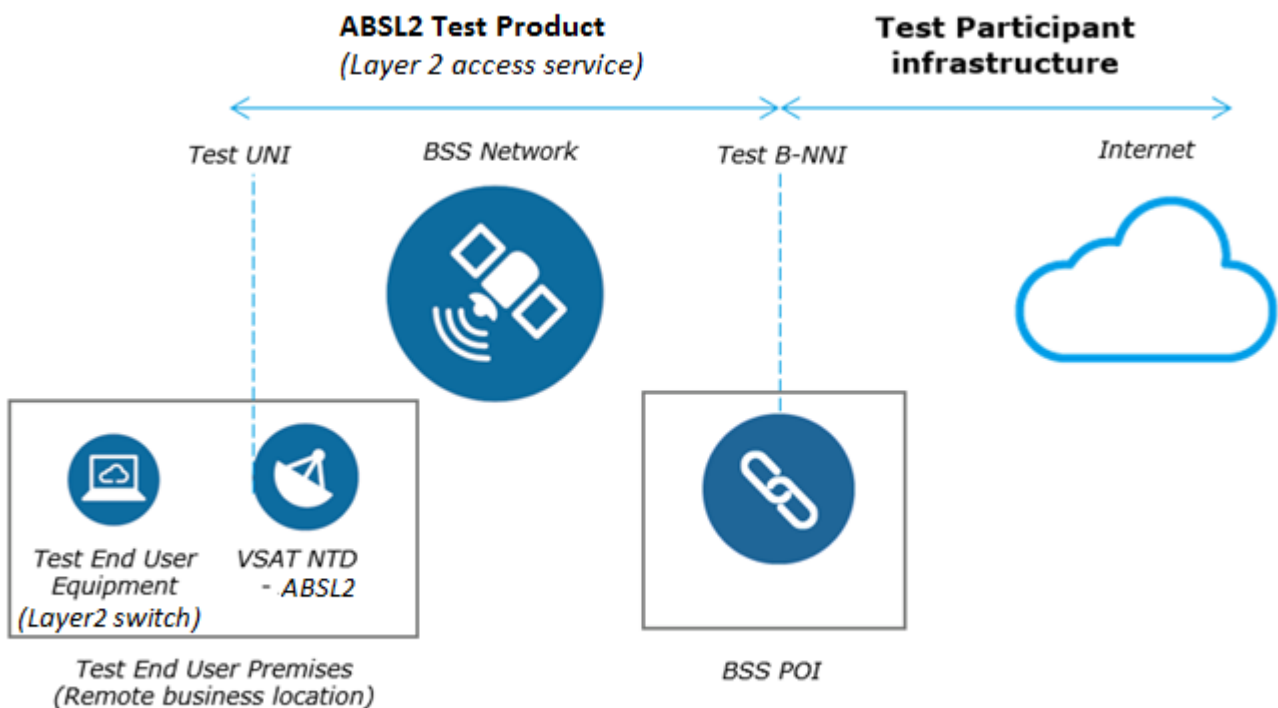


Figure A6: ABSL2 Test Product (Test UNI to BSS POI configuration)

5. The CBHL2 Test Product

5.1 Product

(a) The CBHL2 Test Product:

- (i) is a Layer 2 virtual connection that carries traffic between a Test UNI used to serve Test End User Premises and a Test B-NNI at a BSS POI;
- (ii) is supplied by means of the BSS Network;
- (iii) enables Test Participant to supply a Carriage Service to a Test End User Premises; and
- (iv) comprises three Test Product Components which Test Participant must acquire and optional or configurable Test Product Features as follows:

Test Product Component	Test Product Feature (optional / configurable)
Test B-NNI	Test B-NNI redundancy
Test BVC	ABP Bandwidth profile Encryption QoS Marking
Test UNI	DC Power* Solar Power * Customised Reporting

5.2 Test Product Components (required)

(a) Test B-NNI

Where a Test B-NNI is required, the Test B-NNI is a physical port at a BSS POI where Test Participant's traffic is handed over to the BSS Network.

(b) Test BVC

- (i) The Test BVC:
 - (A) terminates on a single Test UNI used to serve a Test End User Premises;
 - (B) is a Layer 2 virtual connection between the Test UNI and a Test B-NNI at a BSS POI; and
 - (C) has a combination of peak information rate and committed information rate.
- (ii) If the Test BVC is supplied with:
 - (A) a peak information rate, it has a combination of downstream and upstream peak information rates to be determined by **nbn** up to a maximum of:

Downstream (Mbps)	Upstream (Mbps)
50	13

- (B) a committed information rate, it has a symmetrical committed information rate to be determined by **nbn** up to a maximum of:

Symmetrical downstream and upstream (Mbps)
25

- (iii) The information rate of a Test BVC may be specified as part of a Test ABP as described in section 5.4(a), instead of being determined separately under section 5.2(b)(ii).
- (iv) The Test BVC will be subject to any Data Usage Limits and Application-Based Prioritisation notified by **nbn** to Test Participant from time to time, including as set out in an applicable Test Plan.

- (v) Any breach by Test Participant of the Data Usage Limits may result in **nbn** shaping the Information Rate for the CBHL2 Test Product in respect of one or more Test End User Premises.
- (vi) **nbn** may measure data transfers and traffic related to the CBHL2 Test Product, including on an application-specific basis, at any time throughout the Test Term.

5.3 Test UNI

The Test UNI:

- (a) is a RJ-45 port into which Test Participant or Test End User may plug in a Test Small Cell Unit or Layer 2-capable Test End User Equipment which has been approved by **nbn**;
- (b) is capable of operating in 10/100/1000 Base-T interfacing modes;
- (c) supports the 802.1Q VLAN standard;
- (d) is addressable by an IPv4 Address supplied by **nbn**; and
- (e) is located on a dedicated VSAT NTD that is optimised for the CBHL2 Test Product (**VSAT NTD – CBHL2**).

5.4 Test Product Features (optional)

- (a) Access Bandwidth Pool (ABP)

The ABP:

- (i) is an optional Test Product feature that may be supplied in respect of one or more Test BVCs (each an **ABP Member**);
 - (ii) is specified as either a peak information rate or a committed information rate, which may be accessed by multiple ABP Members supplied to Test Participant by **nbn** using a single Beam of the BSS Network; and
 - (iii) may be added to, or removed from, an ABP Member at any time at **nbn**'s discretion.
- (b) The other Product Features of the CBHL2 Test Product will function and perform as determined by **nbn**.

5.5 Other product information

- (a) MAC addresses

- (i) Test Participant will be supplied with a maximum of 10 concurrent MAC addresses that are applied to each Layer 2 service.
- (ii) An unused MAC Address flushes every 300 (by default) seconds.
- (iii) Any excess MAC addresses will not have end to end connectivity until any of the exiting MAC addresses flushed, for each CBHL2 Test Product.

- (b) Network boundaries

- (i) Test Participant is responsible for ensuring that each Test End User has all necessary Test End User Equipment required to support applications supplied or made available by Test Participant.
- (ii) To acquire the CBHL2 Test Product, Test Participant must interconnect (either physically or virtually over secure VPN tunnel) with **nbn** at a BSS POI.
- (iii) Figure A7 illustrates, at a high level, the CBHL2 Test Product configured to provide connectivity between a Test UNI serving a Test End User Premises and a BSS POI:

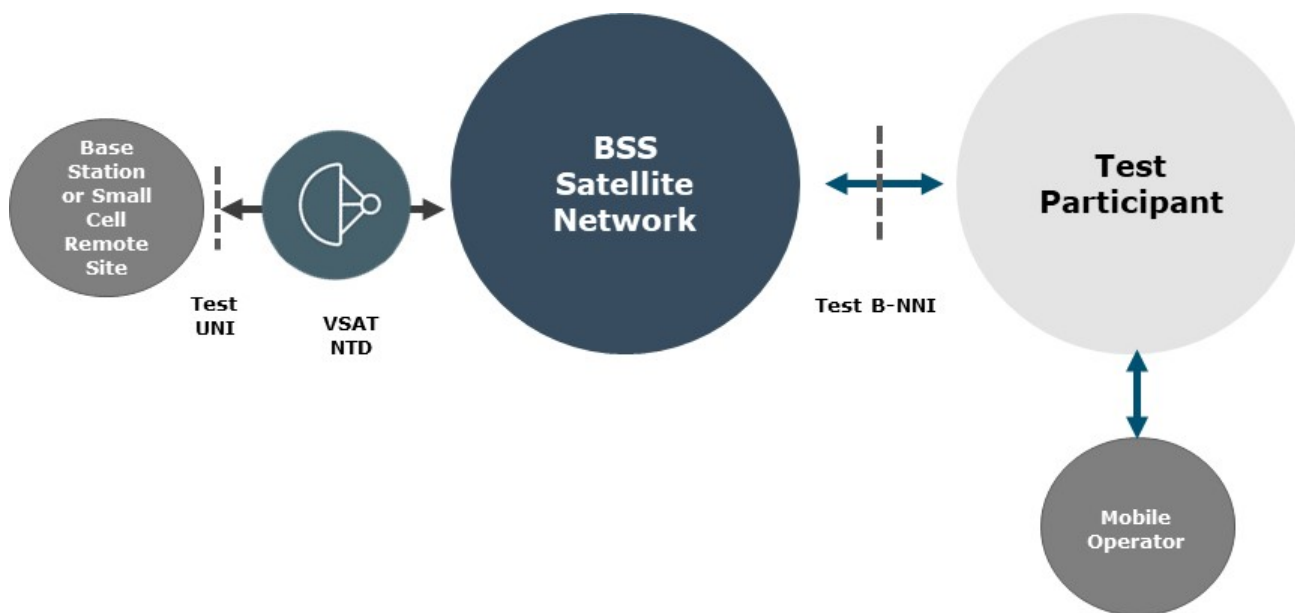


Figure A7: CBHL2 Test Product (Test UNI to BSS POI configuration)

6. CBHL3 Test Product

6.1 Product

The CBHL3 Test Product:

- (a) is a Layer 3 virtual connection that carries traffic between a Test UNI used to serve Test End User Premises and:
 - (i) a Test B-NNI at a BSS POI; or
 - (ii) another Test UNI used to serve a Test End User Premises and provided as part of another Test Product;
- (b) is supplied by means of the BSS Network;
- (c) enables Test Participant to supply a Carriage Service or Content Service to a Test End User Premises; and
- (d) comprises three Test Product Components which Test Participant must acquire and optional or configurable Test Product Features as follows:

Test Product Component	Test Product Feature (optional / configurable)
Test B-NNI	Test B-NNI redundancy
Test BVC	ABP Bandwidth profile Encryption QoS Marking Closed User Group (CUG) UNI to UNI
Test UNI	DC Power * Solar Power * Standard Reporting Customised Reporting Test Participant self-installation

6.2 Test Product Components (required)

(a) Test B-NNI

Where a Test B-NNI is required, the Test B-NNI is a physical port at a BSS POI where Test Participant's traffic is handed over to the BSS Network.

(b) Test BVC

(i) The Test BVC:

- (A) terminates on a single Test UNI used to serve a Test End User Premises;
- (B) is a Layer 3 virtual connection between the Test UNI and:
 - (1) a Test B-NNI at a BSS POI; or
 - (2) another Test UNI used to serve a Test End User Premises and provided as part of another Test Product; and
- (C) has a combination of peak information rate and committed information rate.

(ii) If the Test BVC is supplied with:

- (A) a peak information rate, it has a combination of downstream and upstream peak information rates to be determined by **nbn** up to a maximum of:

Downstream (Mbps)	Upstream (Mbps)
30	5

- (B) a committed information rate, it has a symmetrical committed information rate to be determined by **nbn** up to a maximum of:

Symmetrical downstream and upstream (Mbps)
1

- (iii) The information rate of a Test BVC may be specified as part of a Test ABP as described in section 6.4(a), instead of being determined separately under section 6.2(b)(ii).
- (iv) The Test BVC will be subject to any Data Usage Limits and Application-Based Prioritisation notified by **nbn** to Test Participant from time to time, including as set out in an applicable Test Plan.
- (v) Any breach by Test Participant of the Data Usage Limits may result in **nbn** shaping the Information Rate for the ABSL3 Test Product in respect of one or more Test End User Premises.
- (vi) **nbn** may measure data transfers and traffic related to the ABSL3 Test Product, including on an application-specific basis, at any time throughout the Test Term.

6.3 Test UNI

The Test UNI:

- (a) is a RJ-45 port into which Test Participant or Test End User may plug in a Test Small Cell Unit or Layer 3-capable Test End User Equipment which has been approved by **nbn**;
- (b) is capable of operating in 10/100/1000 Base-T interfacing modes;
- (c) supports the 802.1Q VLAN standard;

(d) is addressable by an IPv4 Address supplied by **nbn**; and

(e) is located on a dedicated VSAT NTD that is optimised for the CBHL3 Test Product (**VSAT NTD - CBHL3**).

6.4 Test Product Features (optional)

(a) Access Bandwidth Pool (ABP)

The ABP:

- (i) is an optional Test Product feature that may be supplied in respect of one or more Test BVCs (each an **ABP Member**);
- (ii) is specified as either a peak information rate or a committed information rate, which may be accessed by multiple ABP Members supplied to Test Participant by **nbn** using a single Beam of the BSS Network; and
- (iii) may be added to, or removed from, an ABP Member at any time at **nbn**'s discretion.

(b) The other Product Features of the ABSL3 Test Product will function and perform as determined by **nbn**.

6.5 Other product information

(a) Supported applications

- (i) Test Participant must supply an IPv4 or IPv6 (when availability notified) address, or both, for each CBHL3 Test Product.
- (ii) The CBHL3 Test Product supports applications delivered over IPv4 with NAT or IPv6 including e-mail, web browsing and VoIP.
- (iii) Test Participant must co-operate with **nbn** to agree which such applications to supply or make available to Test End Users.
- (iv) **nbn** will not supply or make available any such applications.

(b) Network boundaries

- (i) Test Participant is responsible for ensuring that each Test End User has all necessary Test End User Equipment required to support applications supplied or made available by Test Participant.
- (ii) To acquire the CBHL3 Test Product, Test Participant must interconnect (either physically or virtually over secure VPN tunnel) with **nbn** at a BSS POI.