



# Service Terms

**nbn**<sup>®</sup> BSS ILA Sandpit Module

**nbn**<sup>®</sup> BSS Interim Launch Agreement

This document forms part of the nbn<sup>®</sup> BSS Interim Launch Agreement, which is a Standard Form of Access Agreement for the purposes of Part XIC of the Competition and Consumer Act 2010.

# Service Terms

**nbn**<sup>®</sup> BSS ILA Sandpit Module

**nbn**<sup>®</sup> BSS Interim Launch Agreement

Version	Description	Effective Date
1.0	First issued version of <b>nbn</b> <sup>®</sup> BSS Interim Launch Agreement	Execution Date
1.1	Amendments to introduce <b>nbn</b> <sup>®</sup> Mobility VISP and <b>nbn</b> <sup>®</sup> Mobility Private Network Layer 3	15 December 2021
1.2	WBA5 and other changes	1 December 2023

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## Environment

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

# Introduction

These **nbn**<sup>®</sup> BSS ILA Sandpit Service Terms include:

- provisions that describe the **nbn**<sup>®</sup> BSS ILA Sandpit and constitute a [Service Description](#);
- provisions which are specific to **nbn**'s supply of the **nbn**<sup>®</sup> BSS ILA Sandpit;
- explanatory notes as a guide to provisions within this document; and
- provisions which set out the Charges in relation to the supply of the **nbn**<sup>®</sup> BSS ILA Sandpit, and constitute a [Price List](#).

This document forms part of the **nbn**<sup>®</sup> BSS Interim Launch Agreement.

## Roadmap

A roadmap describing the structure of this document is provided below.

### Part A: Service Description

Part A describes what the **nbn**<sup>®</sup> BSS ILA Sandpit is and sets out general terms in relation to the availability of the **nbn**<sup>®</sup> BSS ILA Sandpit.

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### Part B: Service Terms

Part B includes provisions which are specific to **nbn**'s supply of **nbn**<sup>®</sup> BSS ILA Sandpit.

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### Part C: Price List

Part C sets out the Charges which apply in relation to the supply of the **nbn**<sup>®</sup> BSS ILA Sandpit.

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## Part A: Service Description

The **nbn**<sup>®</sup> BSS ILA Sandpit permits RSP to conduct specified testing and development activities relevant to:

- the **nbn**<sup>®</sup> Platform Interfacing Service; and
- the **nbn**<sup>®</sup> BSS Products,

as set out below:

Sandpit	Capabilities/Deliverables	Related activity	Activities described in section
<b>nbn</b> <sup>®</sup> BSS ILA Sandpit	ABP; B-NNI; BVC; IAC; UNI-D	<b>nbn</b> <sup>®</sup> BSS Product Testing and Development Activities	1.2

*Section 1 sets out the testing and development activities which RSP may perform using the **nbn**<sup>®</sup> BSS ILA Sandpit.*

### 1. **nbn**<sup>®</sup> BSS ILA Sandpit description

#### 1.1 Function of the **nbn**<sup>®</sup> BSS ILA Sandpit

- The **nbn**<sup>®</sup> BSS ILA Sandpit is made available by **nbn** only for the specific testing and development purposes set out in section 1.2.
- RSP must not use the **nbn**<sup>®</sup> BSS ILA Sandpit to supply any products or services to Downstream Service Providers or End Users without the prior written consent of **nbn**.

#### 1.2 **nbn**<sup>®</sup> BSS testing activities

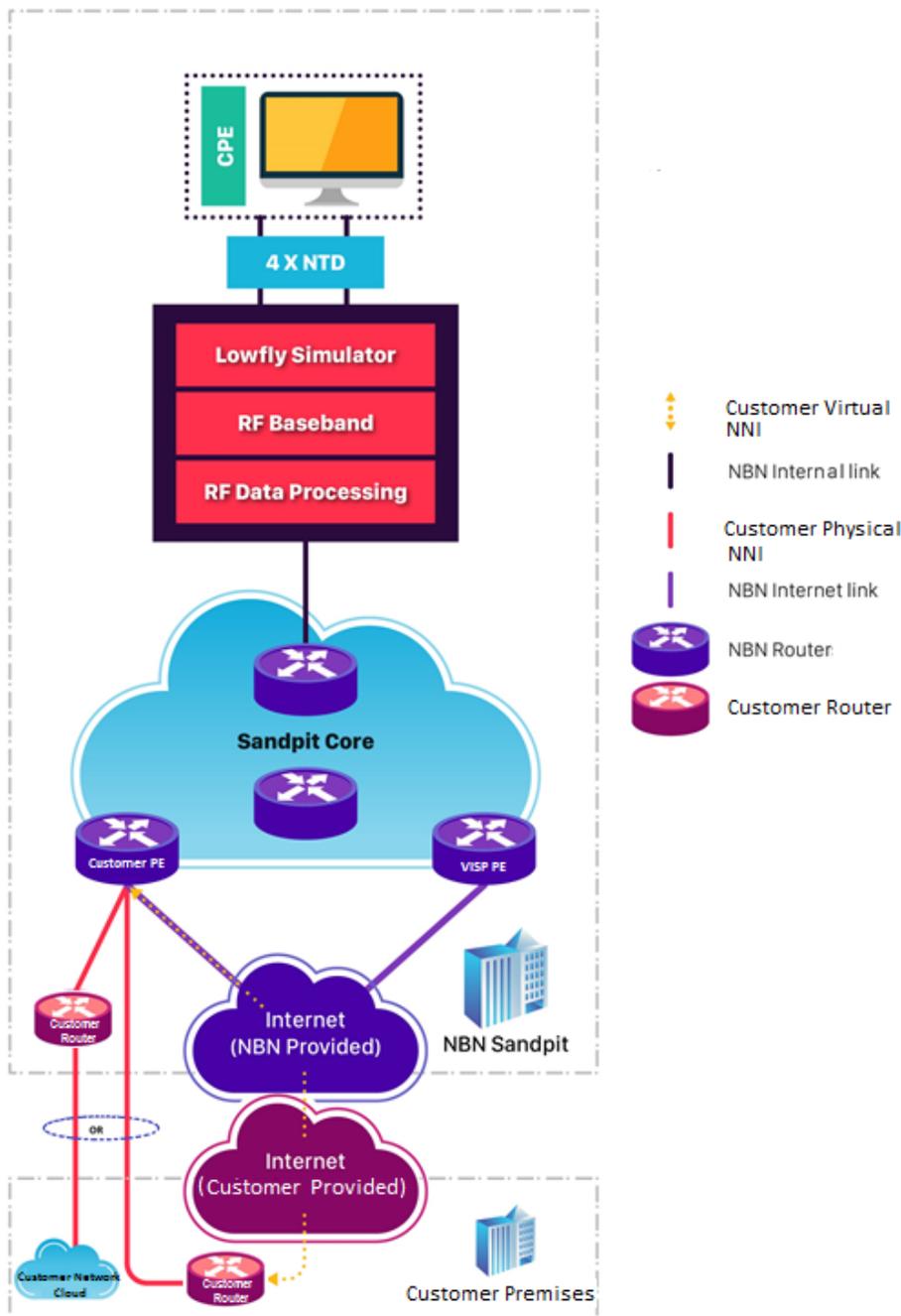
RSP may use the **nbn**<sup>®</sup> BSS ILA Sandpit to:

- prepare for and perform:
  - RSP Equipment testing;
  - development activities; and
  - any related or ancillary activities,
 in respect of any **nbn**<sup>®</sup> BSS Product (**nbn**<sup>®</sup> **BSS Product Testing and Development Activities**); and
- conduct any other activities which **nbn** undertakes pursuant to an SAU and which are applicable in respect of the **nbn**<sup>®</sup> BSS ILA Sandpit.

Section 2 sets out the **nbn**<sup>®</sup> BSS ILA Sandpit elements that support **nbn**<sup>®</sup> BSS Product Testing and Development Activities which RSP may perform using the **nbn**<sup>®</sup> BSS ILA Sandpit.

## 2. **nbn**<sup>®</sup> BSS Sandpit architecture

- (a) The **nbn**<sup>®</sup> BSS ILA Sandpit comprises elements that enable RSP to perform **nbn**<sup>®</sup> BSS Product Testing and Development Activities. Figure 1 below illustrates the **nbn**<sup>®</sup> BSS ILA Sandpit.



**Figure 1: BSS Sandpit Components**

- (b) The **nbn**<sup>®</sup> BSS ILA Sandpit is available in the following manner:

Variant	Features / conditions
<b>nbn</b> -hosted	<b>nbn</b> hosts the VSAT NTDs, and provides access to the UNI-Ds, at the <b>nbn</b> <sup>®</sup> Melbourne Test Facility.

*Section 3 sets out the location at which the **nbn**<sup>®</sup> BSS ILA Sandpit is available, the requirements for performance testing and development activities and the support **nbn** will provide to RSP.*

### 3. Use of the **nbn**<sup>®</sup> BSS ILA Sandpit

#### 3.1 Locations of the **nbn**<sup>®</sup> BSS ILA Sandpit

The **nbn**-hosted variant of the **nbn**<sup>®</sup> BSS ILA Sandpit is available at the **nbn**<sup>®</sup> Melbourne Test Facility.

#### 3.2 Performance of **nbn**<sup>®</sup> BSS testing

For **nbn**<sup>®</sup> BSS Product Testing and Development Activities:

- (a) subject to section 5.3, **nbn** will provide the following items to RSP:

Item	Description	Quantity
VSAT NTD	VSAT NTD IDU Gemini	2 each
VSAT NTD	VSAT NTD IDU Capricorn	2 each
Contact details	Contact details for Sandpit support	1

- (b) RSP must not reconfigure, or attempt to reconfigure, the VSAT NTDs;
- (c) RSP is responsible for installing and operating all RSP Equipment connected to the UNI-D in respect of **nbn**<sup>®</sup> BSS Product Testing and Development Activities;
- (d) **nbn** will make available to RSP:

Capability	Description
BVC	Mirrors type and structure of BVCs available as a Product Component of relevant <b>nbn</b> <sup>®</sup> BSS Products
UNI-D	Mirrors type and structure of UNI-Ds available as a Product Component of <b>nbn</b> <sup>®</sup> BSS Products
IAC	Mirrors type and structure of IACs available as a Product Component of relevant <b>nbn</b> <sup>®</sup> BSS Products

B-NNI	<p>Mirrors the type and structure of B-NNIs available as a Product Component of relevant <b>nbn</b><sup>®</sup> BSS Products and available in the following connection types for the purposes of the <b>nbn</b><sup>®</sup> BSS ILA Sandpit only:</p> <ul style="list-style-type: none"> <li>• <b>Physical connection:</b> Direct connection to B-NNI via a physical network interface; and</li> <li>• <b>Virtual connection:</b> Connect to the B-NNI via an internet VPN (IPSEC).</li> </ul>
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- (e) **nbn** will make available to RSP a low fly satellite simulator environment in respect of a single beam only; and
- (f) RSP acknowledges that:
- (i) **nbn** will not make available a virtual connection to the B-NNI other than in respect of **nbn**<sup>®</sup> ABSL3 or **nbn**<sup>®</sup> Mobility Private Network Layer 3;
  - (ii) RSP may not, in respect of a B-NNI, simultaneously use a virtual connection and a physical connection; and
  - (iii) if RSP makes use of a virtual connection to the B-NNI, the available **nbn**<sup>®</sup> BSS Product Testing and Development Activities may be limited, as notified by **nbn** from time to time.

### 3.3 Establishing connectivity and use of the **nbn**<sup>®</sup> BSS ILA Sandpit

If RSP acquires the **nbn**-hosted variant of the **nbn**<sup>®</sup> BSS ILA Sandpit at the **nbn**<sup>®</sup> Melbourne Test Facility, each party must conduct the following activities (as applicable):

<b>nbn</b> <sup>®</sup> BSS Product	<b>Activity</b>	<b>Party responsible</b>
<b>nbn</b> <sup>®</sup> ABSL3 <b>nbn</b> <sup>®</sup> Mobility Private Network Layer 3	Provide or acquire upstream backhaul to establish connectivity between the RSP Network and the <b>nbn</b> <sup>®</sup> BSS ILA Sandpit	RSP
	Arrange building entry rights and physical access in accordance with section 4.2(d)	RSP
	Terminate upstream backhaul at the point specified by <b>nbn</b>	RSP
	Connect the physical B-NNI to <b>nbn</b> <sup>®</sup> BSS ILA Sandpit patch-panel	RSP
	Patch connector B-NNI to the <b>nbn</b> <sup>®</sup> BSS ILA Sandpit network	<b>nbn</b>
	Access and use the physical B-NNI and UNI-D to access the BVC locally at the <b>nbn</b> <sup>®</sup> Melbourne Test Facility, and in accordance with <b>nbn</b> 's directions	RSP
	Establish RSP side public IP address for IPSEC connectivity in relation to virtual access to the B-NNI	RSP

	Establish <b>nbn</b> side public IP address for IPSEC connectivity in relation to virtual access to the B-NNI	<b>nbn</b>
	Provide IPSEC encryption details in relation to virtual access to the B-NNI	<b>nbn</b>
	Provide IP address for BGP peering in relation to virtual access to the B-NNI	<b>nbn</b>
	Establish Layer 3 IP connectivity between the UNI-D and RSP Equipment connected to the B-NNI	RSP
	Establish Layer 3 IP connectivity between two different UNI-Ds VSAT NTDs (without any traffic traversing the B-NNI)	RSP
<b>nbn</b> <sup>®</sup> VISP <b>nbn</b> <sup>®</sup> IoT <b>nbn</b> <sup>®</sup> Mobility VISP	Establish internet connectivity at the UNI-D in accordance with <b>nbn</b> 's directions	RSP

*Section 4 includes general terms in relation to the availability of the **nbn**<sup>®</sup> BSS ILA Sandpit and sets out exclusions to the supply of the Sandpit.*

## 4. General conditions of supply

### 4.1 Availability

- (a) The **nbn**<sup>®</sup> BSS ILA Sandpit is a shared resource and access to the **nbn**<sup>®</sup> BSS ILA Sandpit is subject to availability.
- (b) RSP acknowledges that use of the **nbn**<sup>®</sup> BSS ILA Sandpit may not be continuous or free of faults and that **nbn** may interrupt use of the **nbn**<sup>®</sup> BSS ILA Sandpit at any time.

### 4.2 Exclusions

- (a) The **nbn**<sup>®</sup> BSS ILA Sandpit is one element required for RSP to perform the **nbn**<sup>®</sup> BSS Product Testing and Development Activities described in these **nbn**<sup>®</sup> BSS ILA Sandpit Service Terms.
- (b) RSP is responsible for providing or acquiring other elements necessary to perform the **nbn**<sup>®</sup> BSS Product Testing and Development Activities described in these **nbn**<sup>®</sup> BSS ILA Sandpit Service Terms.
- (c) The **nbn**<sup>®</sup> BSS ILA Sandpit does not include the supply by **nbn** of:
  - (i) any upstream backhaul or downstream backhaul, interconnecting network infrastructure, such as dark fibre or Ethernet links, or other connections for the purposes of upstream backhaul or downstream backhaul from the **nbn**<sup>®</sup> BSS ILA Sandpit to the RSP Network;
  - (ii) any content or applications, including IP transit, any RSP Equipment, BGP routing, soft switching infrastructure and all international connectivity;

- (iii) any other end user equipment, such as personal computers and network attached storage solutions;
  - (iv) direct access to, or direct use of, **nbn**'s core systems or the functionality of **nbn**'s core systems; or
  - (v) building entry rights or physical access to any facility in which the **nbn**<sup>®</sup> BSS ILA Sandpit is hosted or available, including for the purposes of establishing connectivity between the RSP Network and the **nbn**<sup>®</sup> BSS ILA Sandpit, or access to the **nbn**<sup>®</sup> Melbourne Test Facility, where RSP acquires the **nbn**-hosted variant of the **nbn**<sup>®</sup> BSS ILA Sandpit.
- (d) In respect of each facility from which RSP elects to acquire the **nbn**<sup>®</sup> BSS ILA Sandpit:
- (i) if the facility is owned or operated by a third party, RSP must arrange building entry rights and physical access to that facility directly with the facility owner (as notified by **nbn** from time to time);
  - (ii) if the facility is a Type 1 Facility, RSP must acquire relevant Service Elements of the Facilities Access Service from **nbn** to enter and access the facility, and Charges may apply as set out in the [Facilities Access Service Price List](#); and
  - (iii) if the facility is the National Test Facility, Customer must choose a connectivity method, connect to the National Test Facility and obtain physical access to the National Test Facility (as applicable) in accordance with the standard processes determined by **nbn** from time to time.
- (e) In respect of the **nbn**<sup>®</sup> BSS ILA Sandpit, **nbn** will not supply or make available the following Product Features of, or options in respect of, the **nbn**<sup>®</sup> BSS Products:
- (i) Customised Reporting;
  - (ii) Solar Power Option;
  - (iii) DC Power;
  - (iv) Operational Assurance Service;
  - (v) IP Addressing for **nbn**<sup>®</sup> ABSL3 or **nbn**<sup>®</sup> Mobility Private Network Layer 3; and
  - (vi) B-NNI Redundancy.

## Part B: Service Terms

*Section 5 is a Service Term which should be read in conjunction with section 3.2(a).*

### 5. Operational Management

#### 5.1 Items provided to RSP

- (a) RSP is responsible for, and assumes risk in the following items to the extent that **nbn** provides such items to RSP in connection with **nbn**'s supply of the **nbn**<sup>®</sup> BSS ILA Sandpit:
- (i) VSAT NTD IDU Gemini; and
  - (ii) VSAT NTD IDU Capricorn,
- from the time RSP receives those items until the time those items are returned to **nbn**.
- (b) RSP must return or make available for collection, at **nbn**'s election, the items referred to in section 5.1(a) to **nbn** in good working condition at the earlier of the following events:
- (i) expiry or termination of this Agreement; and
  - (ii) on request from **nbn**.

#### 5.2 General conditions of use

RSP:

- (a) must comply with any technical and test specifications notified by **nbn** to RSP from time to time in relation to **nbn**<sup>®</sup> BSS Product Testing and Development Activities;
- (b) must, on request by **nbn**, use reasonable endeavours to make available to **nbn**, RSP Personnel who are subject matter experts to support any root cause analysis and incident resolution that may be performed by **nbn** in connection with RSP's access to or use of the **nbn**<sup>®</sup> BSS ILA Sandpit;
- (c) must keep secure and protect from unauthorised use any usernames, passwords and digital certificates provided by **nbn** to RSP or otherwise used by RSP in connection with the **nbn**<sup>®</sup> BSS ILA Sandpit; and
- (d) is responsible for use of the **nbn**<sup>®</sup> BSS ILA Sandpit by any person accessing the **nbn**<sup>®</sup> BSS ILA Sandpit with the permission or credentials of RSP.

#### 5.3 **nbn**<sup>®</sup> BSS ILA Sandpit conditions of use

- (a) If requested by RSP, **nbn** will make a total of two VSAT NTD IDU Gemini and two VSAT NTD IDU Capricorn available to RSP at no charge for the purposes of conducting all **nbn**<sup>®</sup> BSS Product Testing and Development Activities.
- (b) RSP must comply with any reasonable conditions of use of the **nbn**<sup>®</sup> BSS ILA Sandpit (including any VSAT NTD IDU Gemini and VSAT NTD IDU Capricorn) notified by **nbn** to RSP from time to time.

#### 5.4 Unauthorised Use

RSP must not:

- (a) access or use the **nbn**<sup>®</sup> BSS ILA Sandpit to perform testing activities other than those:

- (i) set out in these **nbn**<sup>®</sup> BSS ILA Sandpit Service Terms which RSP has specified in its Sandpit Order and Configuration Form; or
- (ii) otherwise approved in writing by **nbn** from time to time;
- (b) use the **nbn**<sup>®</sup> BSS ILA Sandpit for any non-functional testing, such as performance/volume testing or reliability/disaster recovery testing;
- (c) use any equipment supplied by **nbn** to RSP under this **nbn**<sup>®</sup> BSS ILA Sandpit Service Terms for any purpose other than the performance of **nbn**<sup>®</sup> BSS Product Testing and Development Activities;
- (d) use the **nbn**<sup>®</sup> BSS ILA Sandpit to supply any products or services to any Downstream Service Provider, Contracted End User, or other person, except:
  - (i) in connection with the performance of activities authorised by these **nbn**<sup>®</sup> BSS ILA Sandpit Service Terms; or
  - (ii) with the prior written consent of **nbn**; or
- (e) re-sell or re-supply to any third party:
  - (i) the **nbn**<sup>®</sup> BSS ILA Sandpit or RSP's rights to access or use the **nbn**<sup>®</sup> BSS ILA Sandpit; or
  - (ii) any other services or capabilities that are provided by **nbn** to RSP in connection with the **nbn**<sup>®</sup> BSS ILA Sandpit,without prior written consent from **nbn**.

## Part C: Price List

Section 6 sets out non-recurring Charges which apply in connection with the access to and use of the **nbn**<sup>®</sup> BSS ILA Sandpit.

### 6. Non-recurring Charges

- (a) The Charges for activities in connection with the access to and use of the **nbn**<sup>®</sup> BSS ILA Sandpit (after completion of any required On-boarding) are:

Activity	Non-recurring Charge
Access to and use of the <b>nbn</b> <sup>®</sup> BSS ILA Sandpit	\$250.00 per hour