



## A business-grade satellite network service.

With improved satellite beam coverage, more Australian businesses can now have the ability to access business-grade satellite network services.\*

Our suite of innovative wholesale product solutions help to enable service providers in offering access to both high-speed broadband and service levels designed to suit businesses needs.

### Access Bandwidth Service

This service is designed for business, enterprise and government customers that require network performance that can handle private networks and enable access to business critical applications in real-time.^



#### High network performance

Enterprise applications demand committed data networks. ABSL3 is designed to offer a Peak Information Rate (PIR) bandwidth profile with speeds up to 150 Mbps download speed and a Committed Information Rate of 50 Mbps download.† (See important information overleaf about retail speeds).



#### Business-grade service

Our dedicated onshore experts in the business nbn™ Satellite Operations Centre assist service providers by managing all satellite connections, service requests and service incidents, (as defined in the service level agreement with providers), to help ensure businesses are connected when it matters.



#### Flexibility

With wholesale bandwidth orderable in small increments and PIR burst options available, ABSL3 is designed to provide enterprise and government level customers with the flexibility to consume bandwidth when they need it most.^



#### Geographic coverage

The business nbn™ Satellite Service satellite beam coverage includes 100% of the continent, including all of mainland Australia, Tasmania and large surrounding islands to help service providers deliver business-grade services to companies with hard to reach remote operations.\*



#### High network reliability

ABSL3 is built on a reliable network architecture. It's physically designed to enable on-demand access to business critical applications and solutions.^



#### A network like no other

nbn is the only wholly Australian-owned space and ground infrastructure operator and wholesale satellite services provider in the country. Our \$2 billion investment in our satellites and ground infrastructure is designed to specifically aid Australian businesses.

# Key wholesale features and options include:

## High-speed wholesale bandwidth with a committed bandwidth profile

Flexibility for service providers to order Committed Information Rate (CIR) forward bandwidth of up to 50 Mbps<sup>†</sup> and return wholesale bandwidth up to 13 Mbps<sup>†</sup> (See important information below about retail speeds) in 1 Mbps increments with no data usage limit (subject to fair use policy).<sup>‡</sup>

## ABSL3 contended, uncontended CIR and PIR burst wholesale product options

nbn offers service providers a variety of wholesale plans for critical business applications with additional Peak Information Rate (PIR) bandwidth to burst to as high as 150 Mbps download speed and a Committed Information Rate of 50 Mbps download.<sup>†</sup> (See important information below about retail speeds) or a range of bandwidth profiles with defined contention ratios. These plans are designed to help service providers provide the bandwidth for non-critical data-heavy applications whilst still providing the capacity required for business critical applications.<sup>^</sup>

## VoIP (Voice over IP) Prioritisation

For end customers who have a VoIP application across their network, the ABSL3 wholesale product can be configured to prioritise VoIP traffic against all other traffic types.<sup>§</sup> This feature maximises the quality of voice traffic over the satellite network.

## High redundancy as standard

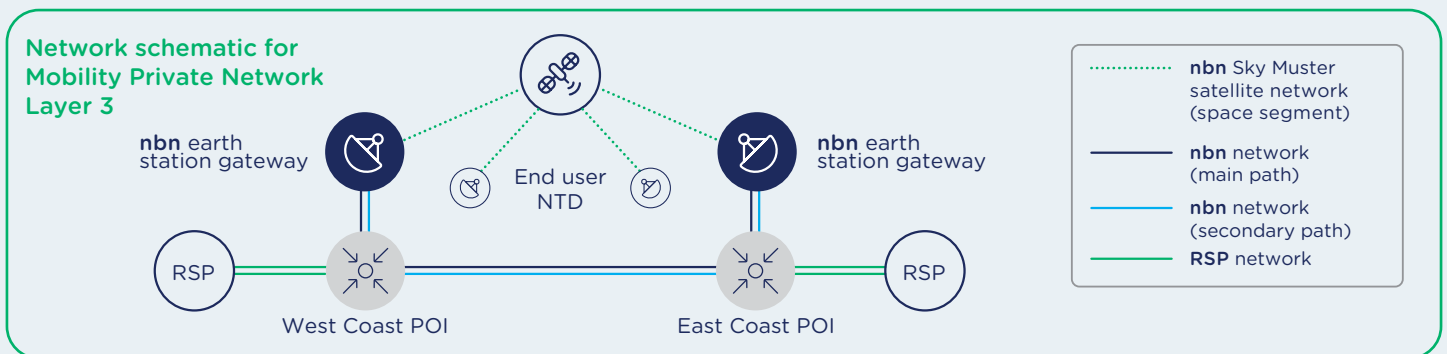
Purposely designed, nbn's Satellite Service offers high redundancy as a standard feature. ABSL3 is deployed with dual path links to the Point of Interconnect (POI). This gives service providers the option to provide both POI redundancy and dual path access at each POI in their network to customers requiring high levels of network availability.<sup>^</sup>

## Network architecture

The business nbn™ Satellite Service architecture will allow service providers to build a highly redundant solution with an indicative network availability target of 99.7%.

ABSL3	
<b>Features</b>	WAN Optimisation VOIP Prioritisation Encryption over the air QoS marking
<b>Satellite frequency</b>	<b>Ka band</b>
<b>NTD</b>	<b>1.2 metre dish</b> 4W transceiver Modem <b>High gain</b> (beam edge application) 1.8 metre dish 4W transceiver Modem
<b>CIR and PIR wholesale speed for ABS Bandwidth Pool</b>	Up to 50 Mbps <sup>†</sup>
<b>CIR and PIR wholesale speed for ABS Burst</b>	Up to PIR 150/15 Mbps <sup>†</sup> forward (with minimum order of CIR 5/1 Mbps <sup>†</sup> )
<b>CIR and PIR wholesale speed for ABS Contended</b>	Up to PIR 150/15 Mbps <sup>†</sup> (with 5:1, 10:1 and 20:1 contention)
<b>Data quota</b>	n/a
<b>Service assurance</b>	Standard: Bronze Optional: Silver, Gold
<b>Target network availability</b>	99.7%

Schematic for an ABSL3 service showing maximum network redundancy with two network connections available at each POI.



Learn more about the network behind the business nbn™ Satellite Service at [nbn.com.au/satelliteforbusiness](https://nbn.com.au/satelliteforbusiness)

### Key term definitions:

**CIR wholesale speed** refers to the maximum wholesale speeds we commit to deliver (subject to defined performance characteristics and certain limitations) over our wholesale network to service providers.<sup>†</sup>

**PIR wholesale speed** refers to the maximum wholesale speeds to be delivered over our wholesale network to service providers. We do not commit to these speeds being available at all times during the day, such as during the busy period.<sup>†</sup>

An end customer's serviceability may be affected by a range of factors including whether there is a clear line-of-sight to the satellite, no interference, for example from other end user, retail service provider or third party equipment, and having a suitable location to install equipment. Plans over the business nbn™ Satellite Service may not be offered by all providers.

§The business nbn™ Satellite Service provides voice support for VoIP carriage and is not a voice provider.

<sup>†</sup> **Important information about retail speeds:** nbn provides wholesale services to phone and internet providers. The nbn™ wholesale speed tiers available to providers vary depending on the business nbn™ Satellite Service product selected. An end customer's experience using the business nbn™ Satellite Service, including speeds and other performance characteristics, depend on a range of factors, such as the latency limitations inherent in satellite communications, the particular product and product features that have been selected by the service provider, the configuration of the products and product features being delivered, the time of usage in relation to certain internet-based access products, and other factors outside of nbn's control (like their equipment quality, software, chosen broadband plan, signal reception, or how their service provider designs its network).

<sup>^</sup> An end customer's experience using the business nbn™ Satellite Service, including speeds and other performance characteristics, depend on a range of factors, such as the latency limitations inherent in satellite communications, the particular product and product features that have been selected by the service provider, the configuration of the products and product features being delivered, the time of usage in relation to certain internet-based access products, and other factors outside of nbn's control (like their equipment quality, software, chosen broadband plan, signal reception, or how their service provider designs its network).