



# A business grade satellite network service designed for remote and regional Australia

Businesses in remote and regional Australia now have the ability to experience access to business grade network services via the business nbn™ Satellite Service.#

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

## Access Bandwidth Service

This service was designed for enterprise and government customers in rural and regional areas who 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. ABS is designed to offer a Committed Information Rate (CIR) bandwidth profile with speeds up to 50/13 Mbps.† (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, ABS is designed to provide enterprise and government level customers with the flexibility to consume bandwidth when they need it most.^



### High network reliability

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

# 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>

## ABS burst and contended wholesale product options

**nbn** offers service providers a variety of wholesale plans which include the option of CIR bandwidth for critical business applications with additional Peak Information Rate (PIR) bandwidth to burst to as high as 50 Mbps<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 ABS 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

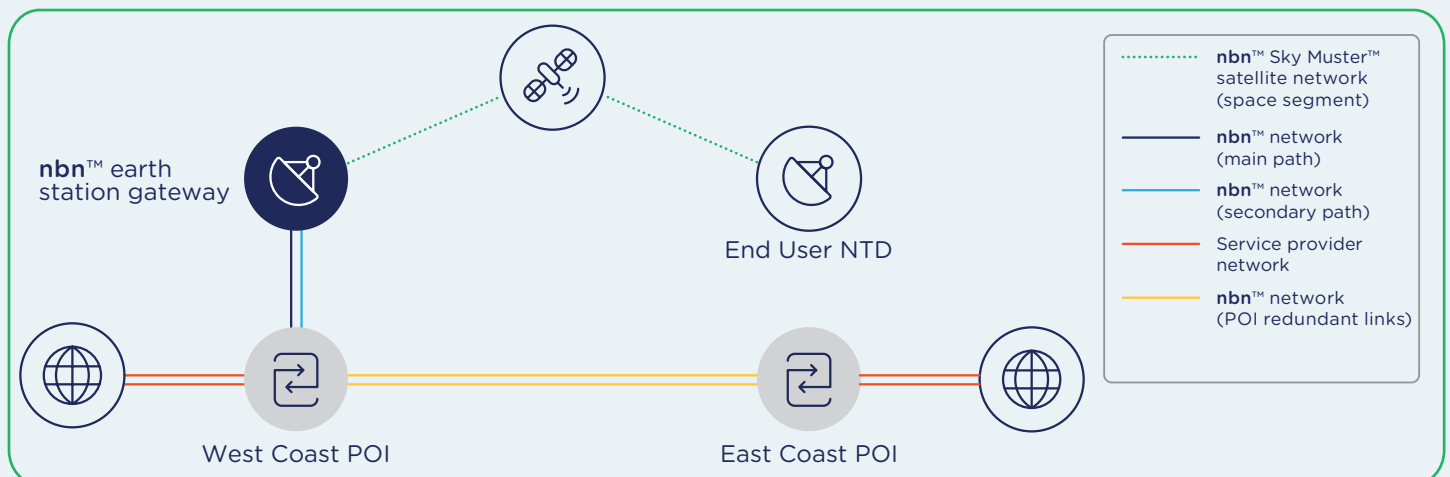
Purposely designed, **nbn**'s Satellite Service offers high redundancy as a standard feature. ABS is deployed with dual path links to the Point of Interconnect (POI). This gives service providers the option to provide both POI redundancy and dual path access at each POI in their network solutions to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

## Network architecture

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

ABS	
<b>Satellite frequency</b>	Ka band
<b>NTD</b>	1.2 metre dish 4W transceiver Gilat Capricorn 4 modem High gain (beam edge application) 1.8 metre dish 4W transceiver Gilat Capricorn 4 modem
<b>CIR and PIR wholesale speed for ABS Bandwidth Pool</b>	Up to 50/13 Mbps <sup>†</sup>
<b>CIR and PIR wholesale speed for ABS Burst</b>	Up to PIR 50 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 50/10 Mbps <sup>†</sup> (with CIR 5/1 Mbps <sup>†</sup> )
<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 ABS service showing maximum network redundancy with two network connections at each POI and the West Coast POI configured to be the primary destination for data with the East Coast POI designed for redundancy.



Learn more about the network behind the business **nbn**<sup>™</sup> 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>

<sup>#</sup>Plans over the business **nbn**<sup>™</sup> Satellite Service may not be offered by all providers.

<sup>§</sup>The business **nbn**<sup>™</sup> Satellite Service provides voice support for VoIP carriage and is not a voice provider.

<sup>†</sup>**nbn** provides wholesale services to phone and internet providers. The **nbn**<sup>™</sup> wholesale speed tiers available to providers vary depending on the business **nbn**<sup>™</sup> Satellite Service product selected.

<sup>^</sup>An end customer's experience using the business **nbn**<sup>™</sup> 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).