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† and return wholesale bandwidth up to 13 Mbps† (see important information below about retail speeds) in 1 Mbps increments with no data usage limit (subject to fair use policy).†

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† (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.^

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.§ This feature maximises the quality of voice traffic over the satellite network.
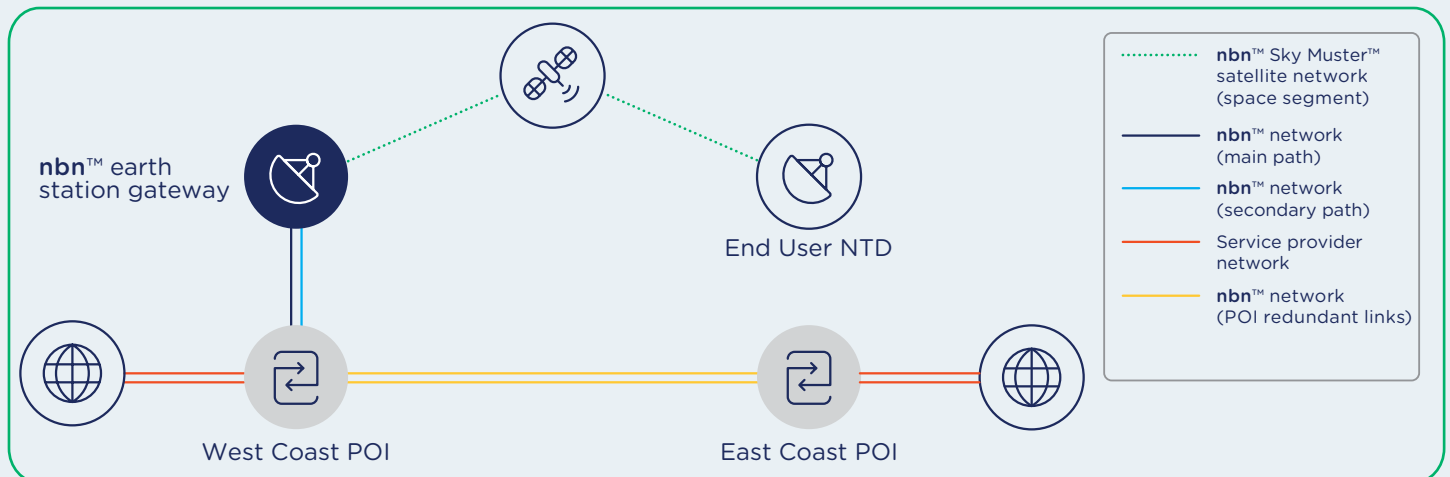
High redundancy as standard

Purposely designed, **nbn**'s Satellite Service offers high redundancy as a standard feature. ABS is deployed with duel 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.^

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%.

ABS	
Satellite frequency	Ka band
NTD	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
CIR and PIR wholesale speed for ABS Bandwidth Pool	Up to 50/13 Mbps†
CIR and PIR wholesale speed for ABS Burst	Up to PIR 50 Mbps† forward (with minimum order of CIR 5/1 Mbps†)
CIR and PIR wholesale speed for ABS Contended	Up to PIR 50/10 Mbps† (with CIR 5/1 Mbps†)
Data quota	n/a
Service assurance	Standard: Bronze Optional: Silver, Gold
Target network availability	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.

nbn™ earth station gateway

End User NTD

West Coast POI

East Coast POI

- ········· **nbn**™ Sky Muster™ satellite network (space segment)
- ———— **nbn**™ network (main path)
- ———— **nbn**™ network (secondary path)
- ———— Service provider network
- ———— **nbn**™ network (POI redundant links)

Learn more about the network behind the business **nbn**™ Satellite Service at **nbn.com.au/satelliteforbusiness**