

Fact sheet: Traffic Class 1 for Voice

Business grade voice services over the **nbn**TM access network

The most important things you need to know when migrating voice services to the **nbn**TM broadband access network.

Introducing Traffic Class 1 (TC 1): **nbn**'s default for voice services

nbn offers three Traffic Classes to phone and internet providers, which they use to create products sold directly by them to you. Each Traffic Class has a different primary purpose. TC 4 is designed for general internet data (including residential-grade internet), while TC 2 is designed to accommodate many business-critical data services (including video conferencing).

TC 1 is primarily used to support voice services - specifically Voice over IP (VoIP) and designed to provide access to the following features:

- A committed information rate (CIR) at the wholesale level, designed to help make voice communication high quality.
- Symmetrical wholesale download and upload speeds*, designed to help make voice communication seamless.
- Appropriate wholesale bandwidth allocation, designed to make voice communication cost-effective.

A Committed Information Rate (CIR) at the wholesale level

No matter which provider you choose, your voice services are backed by steady, consistent wholesale bandwidth. Ensure your provider is correctly matching your bandwidth requirements to the number of lines you have at each site.

Symmetrical wholesale download and upload speeds

It goes without saying that voice is a two-way, real-time service, so TC 1 is designed to provide the same wholesale speeds both to you and from your sites.

Appropriate wholesale bandwidth allocation

Because voice services have consistent data requirements, we can specify bandwidth precisely according to the number of phone lines.

Traffic Class 1: **nbn**'s default for voice services

Using TC 1 for your voice services can be a matter of matching your bandwidth requirements to the number of concurrent lines at each site.

Committed Information Rate (CIR) at the wholesale level	Suitable for
150 kbps	1 fixed phone line
300 kbps	Up to 2 concurrent phone lines
500 kbps	Up to 3 concurrent phone lines
1 Mbps	Up to 6 concurrent phone lines
2 Mbps	Up to 12 concurrent phone lines
5 Mbps	Up to 25 concurrent phone lines

Please note

Remember that the **nbn**TM access network is wholesale only, which means that VoIP and other broadband services must be bought from a phone and internet provider.

* Your experience, including the speeds actually achieved over the **nbn**TM broadband access network, depends on the technology over which services are delivered to your premises and some factors outside our control (like your equipment quality, software, signal quality, broadband plans and how your service provider designs its network). **nbn** is a provider of wholesale speeds to internet providers. **nbn**TM wholesale speed tiers available to your internet provider vary depending on the access technology in your area.