






# FACT SHEET: ON-NET VS OFF-NET

Telair specialises in finding the right solution for our clients based on their unique requirements. Through our business partnerships we have access to multiple infrastructure networks Australia wide. Telair has an almost unique combination of size and flexibility in today's Telecommunications market. Many Tier 2 providers have been merged into large non-carrier agnostic organisations. Telair uses multiple tier 1 carrier networks integrated into our state of the art network.

This gives us more redundancy and flexibility of solution design than any one carrier. For example, in the event of a tier 1 carrier outage for transit, Telair's network and services will not be affected.

Telair is able to interconnect into each of these carriers using its own network infrastructure (on-net), or we can simply purchase a package directly from the carrier which includes the network connectivity, transit and other components (off-net).

There are some differences when using off-net verses on-net, which are outlined below.

DESCRIPTION	OFF-NET	ON-NET
 Critical Traffic Prioritisation	No QoS or prioritisation is supported through the carrier's network, resulting in critical traffic such as voice and video being queued with all other traffic.	Telair is able to prioritise critical traffic such as voice and video through our network, ensuring the best possible experience for users.
 Network Monitoring	Telair is unable to monitor links that are not connected to our core network which could lead to more customer involvement being required for troubleshooting; potentially resulting in a longer resolution timeframe.	Telair will monitor your data link and receive a notification if you are offline, allowing for the quickest resolution should a problem arise.
 Service Quality (Latency)	Carriers often route traffic via a number of different geo-locations which can cause increases in latency and affect service quality, especially for time-sensitive traffic such as voice and video.	Telair is well connected nationally, with transit and peering paths in all states, ensuring the lowest latency and best quality services possible.
 Private Network (MPLS)	Private Networks would be managed using equipment at your premises, passing traffic over the public internet which is less secure and may be prone to latency and speed fluctuations.	Private MPLS Networks can be built incorporating multiple sites for the best security and fastest-paths for traffic flow.
 Cloud Connections	Connectivity to cloud services and hosting providers is routed over the public internet.	Direct-Connect is available to cloud providers such as Azure and AWS, offering more security and cost-savings.

Still have questions about off-net vs on-net? Get in touch below and we'll be happy to assist!

## GET IN TOUCH

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