

DEEWR Survey of TAFE Broadband Connectivity (2010)

DEEWR conducted a Survey of TAFE Broadband Connectivity for the first time in 2010. The jurisdictions response to the survey covered all TAFE institutes (415 TAFE sites including main campuses and secondary facilities). The aggregated national findings on the types of broadband enabling technologies, download speeds and carriage service providers used by TAFEs is below.

Analysis of the survey results are shown below.

Technology Types

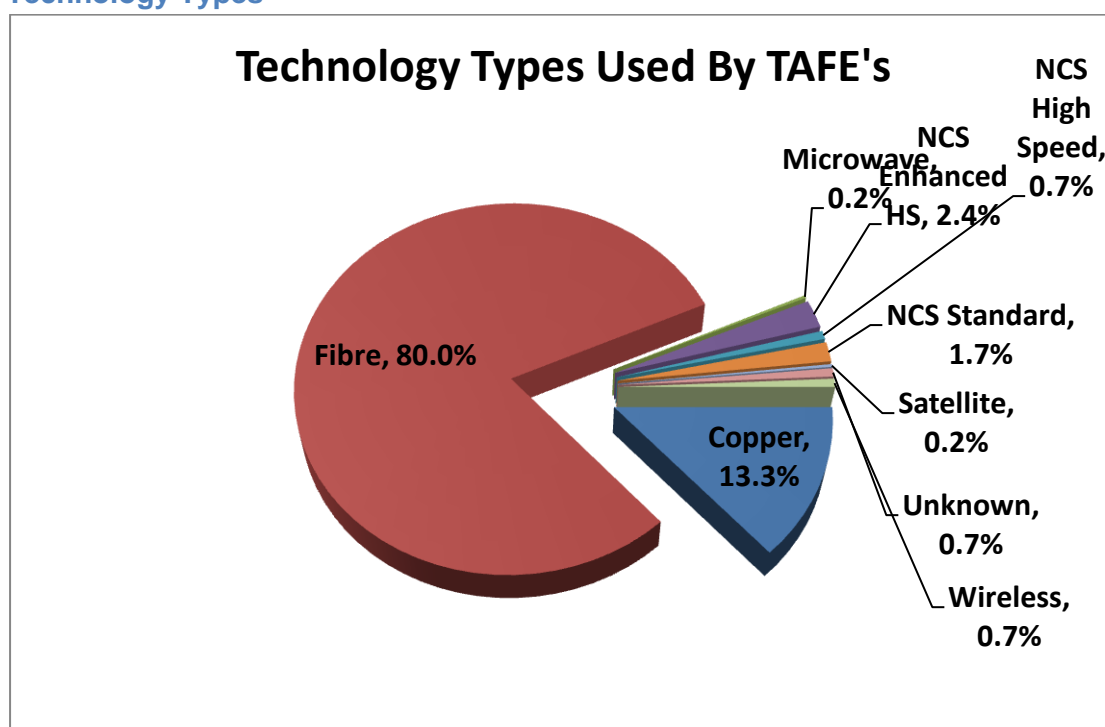


Figure 1: Technology Types Used By TAFE's

This figure illustrates the proportion of the various physical technology types used by TAFE's in the 2010 survey. The technology types include Fibre, Copper, NCS Cabling (various specifications), Wireless, Microwave, and Satellite. The survey indicates that:

- Across the range of technology types, fibre is dominant (80%) with copper a distinct second (13.3%)
- Other technologies show significantly lower use, with the total of the other technologies adding up to 6.6%. Wireless technology amounted to only 0.7%, and satellite technology was only 0.2%.

Bandwidth

Bandwidth used (reported as “Download Speeds”) by TAFEs across technology types:

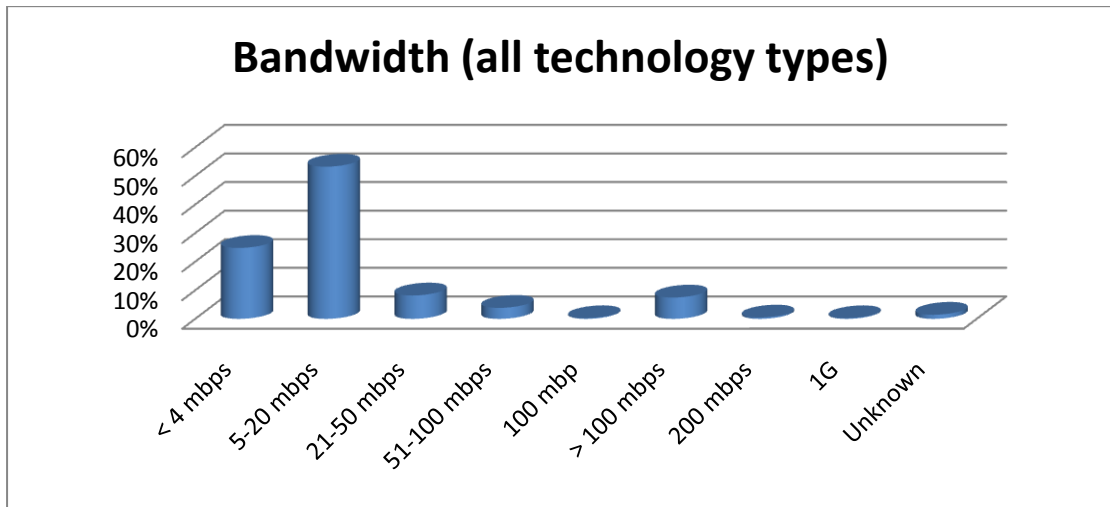


Figure 2: Bandwidth (all technology types)

Figure 2 illustrates the proportion bandwidth, reported as download speeds, used by TAFE's in the 2010 survey. Bandwidth has been divided into ranges as follows: less than 4 mbps, 5 to 20 mbps, 21-50 mbps, 51-100 mbps, 100 mbps, greater than 100 mbps, 200 mbps, and 1 gigabit per second. The survey indicates that:

- 24.8% of TAFEs still have line speeds of less than 4 mbps
- 53.5% have speeds of between 5 and 20 mbps
- Around 8% have speeds of between 21-50 mbps
- Around 4% have speeds of between 51-100 mbps
- Around 8% have download line speeds of more than 100 mbps.

Carriage Service Providers used by TAFEs

Analysis of providers used by TAFEs, indicates that Telstra is the dominant provider (80.5%).

The proportion of Telstra's connections that are fibre stands at 85.6%, with copper making up most of the other connections at 13.5%.