

Beachridge Estate, Jurien Bay Guidelines for Telstra Velocity™

This document has been provided as a simplified guide only and is not intended to replace the detailed requirements published on Telstra's website www.telstrasmartcommunity.com

Telstra Smart Community®

ADSL 2+ - Stages 2 to 7 (inclusive) are capable of providing ADSL 2+ services.



Telstra Velocity™ - Stage 8 onwards

Note: These aspects only apply to the portion of Beachridge Estate that is serviced with Telstra Velocity ie. FTTP (Fibre-to-the-Premises technology) i.e all lots from Stage 8 onwards (refer to plan attached)

Lot owners to ensure that their appointed Builder and Electrician are fully aware of Telstra's requirements relating to cabling the home for connection to Telstra Velocity™ - see <http://www.telstrasmartcommunity.com>

Overview

In specific areas of Beachridge Estate, Telstra is installing a new technology for the connection of Telstra services. This technology is called Telstra Velocity™. Telstra Velocity™ is used to describe the supply of telecommunications services to customers' premises using optical fibre instead of the traditional copper cable. A single optical fibre supplies the home with telephone, broadband data and digital TV services. For these services to function, the optical fibre cable that provides your home with Telstra Velocity™ service needs to be converted from an optical (laser light) signal into electrical signals.

Telstra has completed the installation of the FTTP network within the road reserves and is in a position to provide services, as required. **However before any services can be installed, the home needs to be pre-provisioned during and immediately after construction.**

Telstra Guideline 013234 provides useful information for builders and telecommunications cablers in preparing or cabling the home for Telstra Velocity™.

Smart wiring

There are a significant number of **optional** cabling enhancements that you **may** wish to incorporate into the home to increase the use and flexibility of the available services. These enhancements involve the installation of a centralised panel (sometimes termed a Home Distributor or HD) with outlet points cabled back to the HD. The ONT (Optical Network Termination) is also connected to the HD providing data, video (TV) and telephone services for distribution throughout the home. More information is available on Telstra Smart Community® website - <http://www.telstrasmartcommunity.com>

Pre-provisioning requirements

Telstra has nominated Visionstream, on a national basis, to provide services to Velocity estates. In Western Australia Visionstream has nominated **Royal Cabling Services** (Contact: Barry van de Nes Mobile 0416 122 574) to undertake the installation of Telstra's aspects of the pre-provisioning of homes in Beachridge Estate that are serviced with Telstra Velocity™. To ensure that services are available at time of moving into the home it is essential that once the builder commences construction, contact is established with Royal Cabling Services and that Royal Contracting Services are continually kept informed of the progress of home's construction.

Telstra will provide and install the following items after building completion:

1. The **Optical Fibre Lead-in cable** from the Telstra pit (generally located in the footpath at the front of the Lot) to the ONT
2. The **ONT (Optical Network Termination)** mounted externally (close to the electrical meter enclosure)
3. The **PSU (Power Supply Unit)** that supplies power to the ONT – the PSU is to be located in an internal utility area that is within the prescribed distance from the ONT.
4. **PSU cable** connecting the PSU to the ONT.

The Owner is required to provide the following aspects in the construction of the home:

1. **Lead-in conduit** and nominated bends (Telstra P20 conduit) – preferably Telstra pit to the nominated position where the ONT is to be mounted
2. Appropriate **earthing** for the ONT – refer Telstra's specifications
3. A **conduit from the ONT to the nominated location for the PSU** to accommodate the PSU cable. (Telstra's nominated contractor will make available lengths of PSU cable should the Owner choose to have its electrician install the PSU cable rather than a draw-wire)
4. A **standard 240v GPO** within 1 metre of the PSU's location.
5. It is recommended that at least one TV point, one Telephone point and one data point be cabled to a Home Distribution (HD) panel or directly to the ONT if no HD panel is to be installed.

Beachridge Estate, Jurien Bay

Telstra Velocity™



Stage 8



Stage 9

