TELSTRA CORPORATION LIMITED

Telstra's Efficient Access Model

Model Documentation

Addendum

6 August2008

Engineering Distribution Module

The following columns have been added to the Engineering Distribution Module to account for the cost of Customer Lightning Protection (CLP). In areas designated as requiring lightning protection a CLP unit is placed at every premise. In addition, a voltage protection gaurde wire is placed with all cable runs in the lightning protection designated area. The following calculations were added to the Engineering Distribution Module to account for these previously omitted costs.

Additions to the Distribution Summarry Worksheet

The number of Customer Lightning Protection (CLP units at the customer premise is calculated as SUMIF(Lightning Protection Required all rows, "Y" (yes), Non Commercial Addresses). If an area is designated as requiring lightning protection (i.e. has a "Y" in the Lightning Protection Required Column) then all addresses in the area require a CLP unit. This calculation simply sums all non commercial addresses in lightning protection areas.

The Length of Lightning Protection Gaurd Wire required in an exchange is calculated as SUMIF(Lighning Protection Required' "Y" (yes), Length of Conduit Configurations 8 100 mm Conduit Runs) + SUMIF(Lighning Protection Required' "Y", Length of Conduit Configurations 6 100 mm Conduit Runs) + SUMIF(Lighning Protection Required' "Y", Length of Conduit Configurations 4 100 mm Conduit Runs) + SUMIF(Lighning Protection Required' "Y", Length of Conduit Configurations 2 100 mm Conduit Runs) + SUMIF(Lighning Protection Required' "Y", Length of Conduit Configurations 1 100 mm Conduit Runs) + SUMIF(Lighning Protection Required' "Y", Length of Conduit Configurations 1 50 mm Conduit Runs). Simply stated, the above formula sums the length of all distribution conduit configurations in all distribution areas that are designated as requiring lightning protection. This is done by summing the length of each size of conduit configuration for each DA that is classified as requiring lightning protection.

Additional Iputs to Distribution Engine for Lightning Protection

A New Column has been added to the input section of the Distribution-Collapsed Worksheet (Lightning Protection required) to identify distribution areas that require lightning protection.