

Telecommunications Asset Identification Requirements

Annexure 11 of MMI0001 – Pole and Line Inspection and Treatment

Version 1 (November 2016)

1.0 TELCO ASSET CAPTURE REQUIREMENTS

The following telecommunication assets that are supported by Endeavour Energy's overhead electricity network must be reported during the OLI/GLI inspection (at each applicable pole):

Telco Assets	Telco Name			
	Optus	Telstra	NBN Co	Other
Steel Strand supporting Coax Cable	Y / N	Y / N	Y / N	Y/N
Steel Strand supporting Fibre Cable	Y / N	Y / N	Y / N	Y/N
Steel Strand supporting PSTN Cable	Y / N	Y / N	Y / N	Y/N
Steel Strand with no cable being supported	Y / N	Y / N	Y / N	Y/N
Self-Supporting Cable Coax	Y / N	Y / N	Y / N	Y/N
Self-Supporting Cable Fibre	Y / N	Y / N	Y / N	Y/N
Self-Supporting Cable PSTN	Y / N	Y / N	Y / N	Y/N
Riser Conduit	1 / 2 / 3 / 4 / 5	1 / 2 / 3 / 4 / 5	1 / 2 / 3 / 4 / 5	1 / 2 / 3 / 4 / 5
Riser Cable	Y / N	Y / N	Y / N	Y/N
Power Supplies	Y / N	Y / N	Y / N	Y/N
TELCO Earthing	Y / N	Y / N	Y / N	Y / N

2.0 TELCO ASSET PHOTO GUIDE

This following section provides photographic guidance for identifying various Telco assets.

OPTUS NETWORK



OPTUS NETWORK

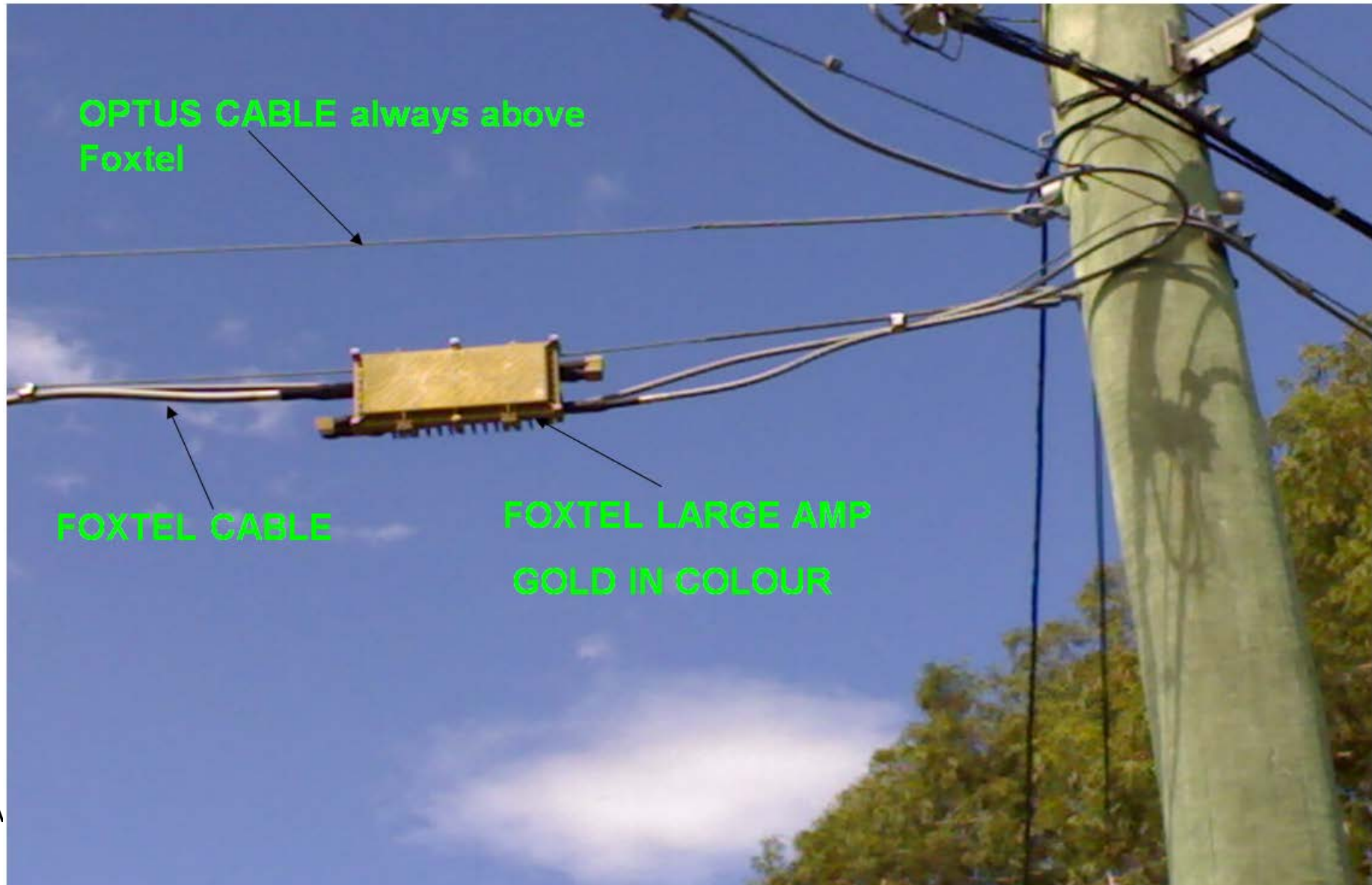


OPTUS CABLE AND SMALL AMP silver grey in colour

Optus cable and tap device



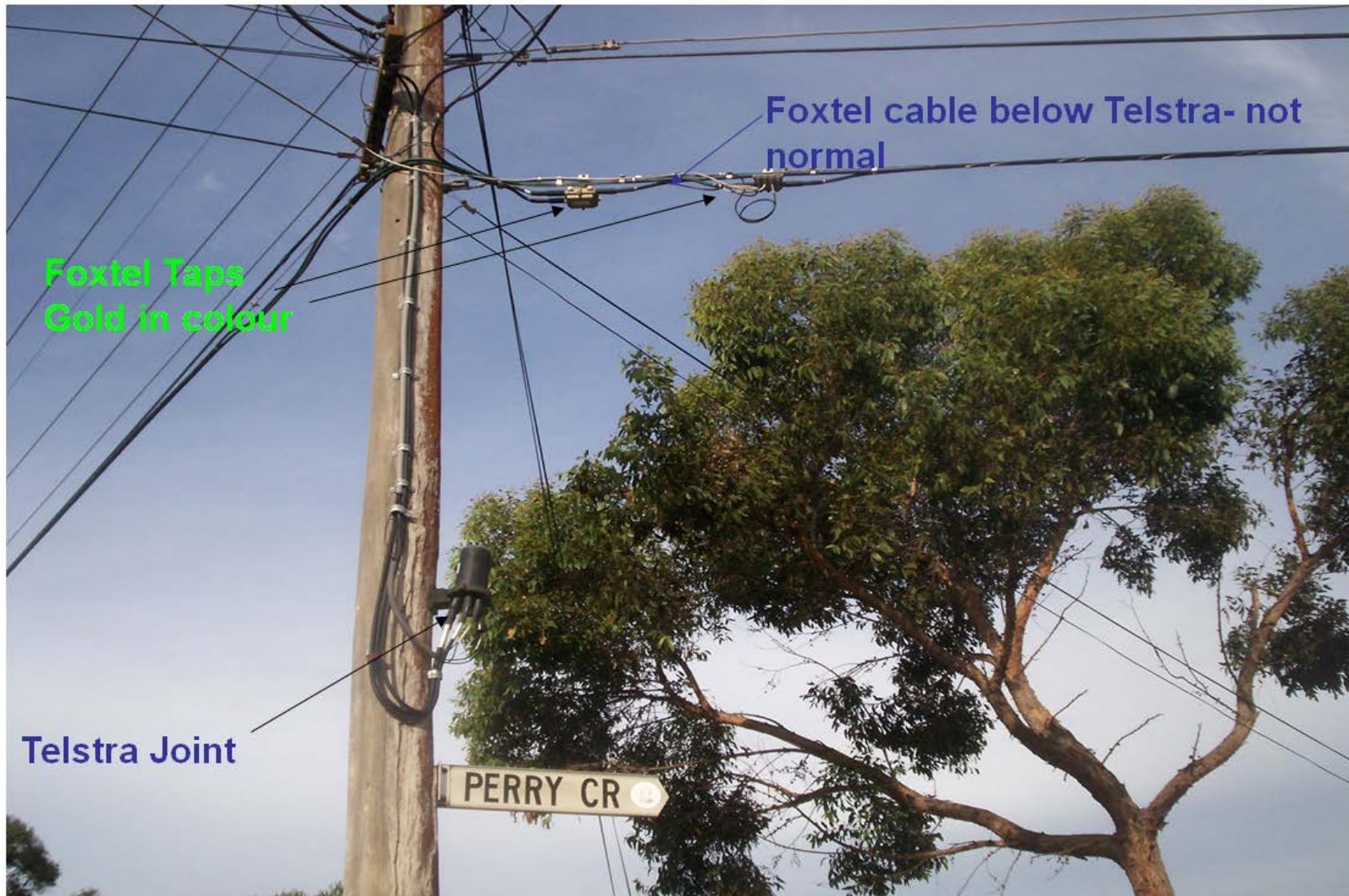
FOXTEL AND OPTUS



Foxtel and Optus



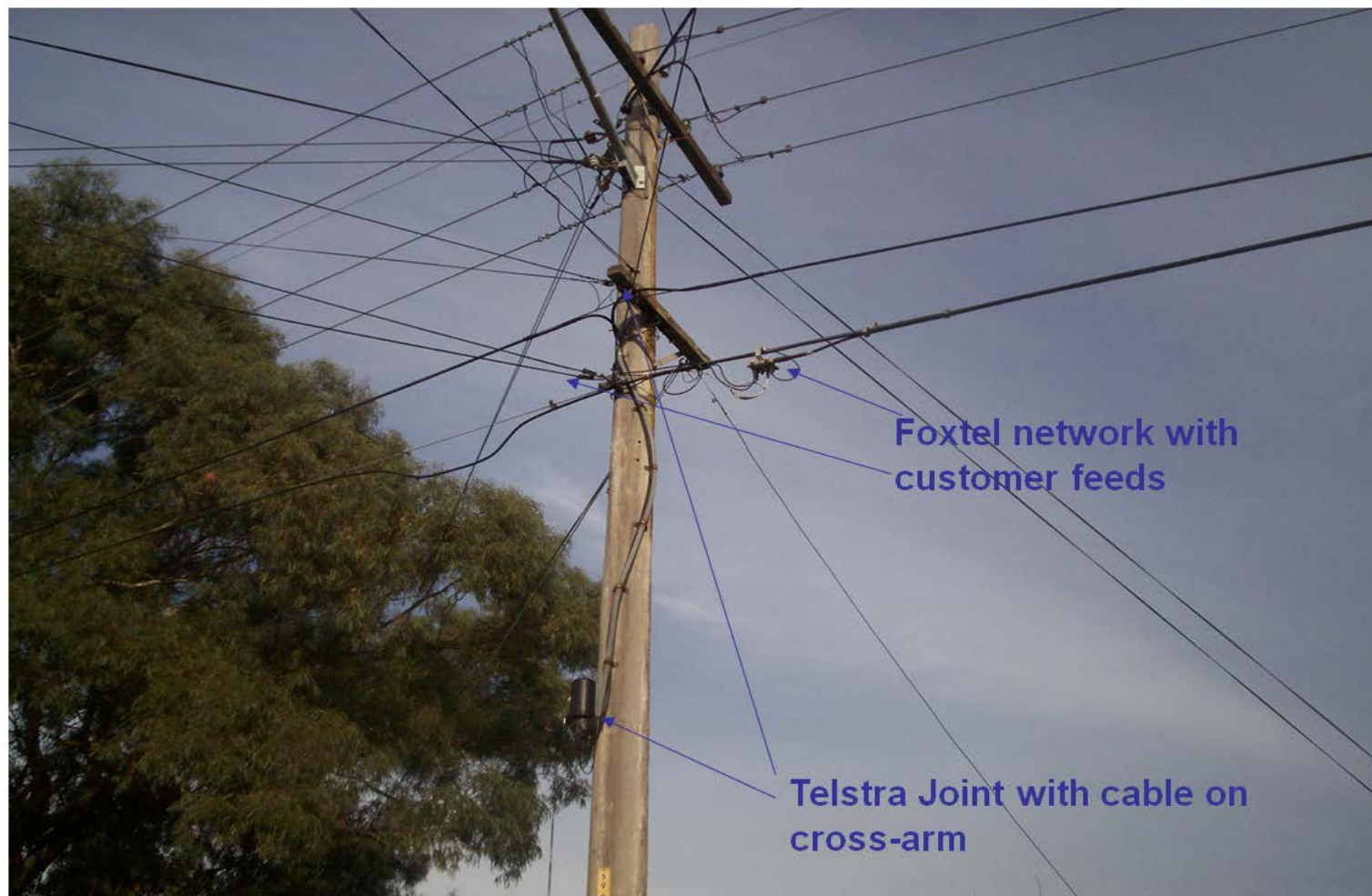
Telstra Phone network



Telstra network



Telstra network and Foxtel



Telecommunications Asset Identification Requirements

NBN Co Fibre Cable

NBN Co self supporting Fibre to the Premise network yellow cable marker. Smaller markers may be used on most attachment points to poles



NBN Co LSS 144 Fibre cable above an Optus Coaxial Cable.

Trace the cable back to a mains pole to determine ownership at a road crossing pole.



NBN Co Multiport, MSS 12 Fibre cable and several 1 Fibre drop cables.

The Multiport is attached lower on the pole for test and connect / disconnect.

The 144 Fibre MSS cable ends at this pole



NBN Co 12 port Multiport, (Termination box).

2, 4 and 8 ports are available.

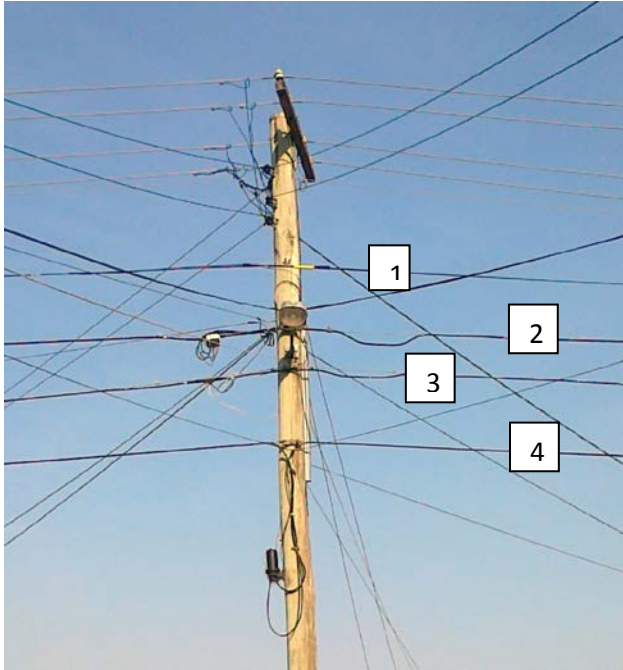
Spare MSS Fibre cable may be wrapped closely around the multiport.



NBN Co Multiport, MSS 12 Fibre cable and drop several 1 Fibre cables.

NBN Co Multiports (Termination box) are mounted on most poles of the NBN Co's Fibre to the Premise network.

All Major Telco Cables



In order from Top to bottom under Endeavour Energy's Conductors are: (Not all are attached at every pole).

1. NBN Co Fibre cable self supporting. It can be as close as 500mm below the LV.
2. Optus Coax cable (sometimes Fibre also) lashed to steel strand;
3. Telstra Coax cable lashed to steel strand; and
4. Telstra Telephone cable (PSTN) self supporting.

Fibre cable does not have sharp bends.

Coax cable often has bends (down and up) as shown on either side of the pole, (to allow for cable expansion and contraction).

Telstra PSTN cable is multiple pair copper cable with various numbers of pairs and different types of internal catenary.

Our records must also include steel strand without other cables lashed to it.

Different types of installation are used:

1. Isolated where the cable is on one pole and or a road crossing pole to connect to customers:
This applies to NBN Fibre to home; Telstra and NBN PSTN and Telstra, Optus and NBN Coax.
2. Under our mains where a main cable is run along the street and tees off to road crossing poles. It connects to customers from most poles. This applies to NBN & Optus fibre; Telstra, and NBN PSTN and Telstra, Optus & NBN Coax.
3. Under our mains where the main cable is a Transit link or trunk cable run along the street with nil or few connections to customers

Definitions:

- Drop means a service to a customer.
- LSS means an NBN 144 fibre Local Service Cable.
- MSS means NBN 12 Multiport Service Cable.
- PSTN means Public Switched telephone Network.
- Riser means UG/OH. All Telco risers must be recorded.

Notes:

Telstra assets will be transferred to NBN Co or removed, except for riser conduits which Telstra may continue to own.

Telstra assets transferred to NBN Co may not be marked to indicate the change of ownership.