



Technical Bulletin

TB 0262 – OLIGLI Inspection Programme Changes

Purpose

This technical bulletin is to inform and set the new OLIGLI programme requirements.

Background

The following table provides a high-level summary of the existing OLIGLI inspection programme that is being modified.

Description	Inspection Cycle	Inspection Type
Timber Poles	4.5 years	OLI only for the first three inspections, but full OLI/GLI on the Fourth (4th) and subsequent inspections
Sureline and Ingal Steel Mains Poles		OLI only for the first inspection, but full OLI/GLI every subsequent inspection
Other Steel Mains poles		Full OLI and GLI every inspection
Concrete and composite poles		OLI only (no GLI required)

New Requirement

Through both an RCM analysis which was performed in 2015 on the OLIGLI programme, and a 2018 analysis of the Safety Factor (and therefore pole strength) of timber poles, it was found that there is a low risk in extending the OLIGLI inspection cycle and delaying the start of the first intrusive GLI.

Frequency

As such, the new requirement for the OLIGLI inspection programme are as follows:

Description	Inspection Cycle	Inspection Type
Timber Poles	5.5 years	- OLI only for the first three inspections - Full OLI/GLI on the Fourth (4th) and 6 th inspections - OLI and potentially a GLI on the 5 th and the 7 th - Full OLI/GLI on subsequent inspections
Sureline and Ingal Steel Mains Poles		OLI only for the first inspection, but full OLI/GLI every subsequent inspection
Other Steel Mains poles		Full OLI and GLI every inspection
Concrete and composite poles		OLI only (no GLI required)

The pole must also be sounded at any time when only an OLI (and no GLI) is performed as a secondary check to the poles condition.

Potential Ground Line inspections (GLI*)

There is now the additional requirement for not performing a GLI inspection if the pole is at its full strength value (SF of 4).

For a GLI inspection performed at the fourth and/or 6th inspections (22 years and 38.5 years), and the pole has a SF of 4, then the next inspection a ground line is not required. (indicated by the GLI* in the below table).

For example:

Example A – A pole is drilled at 22 years and has a SF of 4

Requirement: Pole does not need to be drilled until 33 years, but an OLI and sounding will be performed at 27.5years,

Example B – A Pole, which previously had a SF of 4, is drilled at 33years and has a SF of 3.5.

Requirement: Pole to have continued OLI + GLI for the rest of its service life.

Example of schedules

Existing Requirements	
Year	Required Inspection
4.5	OLI
9	OLI
13.5	OLI + GLI
18	OLI + GLI
22.5	OLI + GLI
27	OLI + GLI
31.5	OLI + GLI
36	OLI + GLI
40.5	OLI + GLI
45 and later	OLI + GLI

NEW Requirements	
Year	Required Inspection
5.5	OLI
11	OLI
16.5	OLI
22	OLI + GLI
27.5	OLI + GLI*
33	OLI + GLI
38.5	OLI + GLI*
44	OLI + GLI
49.5	OLI + GLI
55 and later	OLI + GLI

GLI* - Potential GLI

Implementation

The change to the OLIGLI frequency is effective immediately.

Impacted Standards

The contents of this technical bulletin will be included in the next update of the following standards:

- MMI 0001 – Pole and line inspection and treatment procedures.
- SMI 101 – Minimum requirements for maintenance of distribution equipment