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Investigation into effectiveness of a downwire insulator and insulated bonding wire as mitigation measures for pole-top fires in woodpole structures

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List of corrections made on research report

Investigation into effectiveness of a downwire insulator and insulated bonding wire as mitigation measures for pole-top fires in woodpole structures

By Mikhuva Ntshani

1. Updated abstract to limit it to one paragraph
2. Changed Literature Survey (Chapter 3) to mechanism and international experience with pole-top fires
3. Changed ‘king bolt’ page 11 to ‘kingbolt’
4. Fixed text boxes on Figures 3.1 and 3.2
5. Merged Sections 3.3.1.1 to 3.3.1.4 into one paragraph
6. Updated Summary of results to tell the reader what to expect in the next chapter
7. Updated axis on Figures in chapter 4 and 5 to reflect what voltage and currents are being plotted.
8. Rewrote parts of chapter 4 and 5 to make them readable as recommended by examiners.
9. Updated all the fonts, equations and Figures accordingly.
10. Removed the Table 6.3: Pole-top fires and bird electrocution risk matrix as it did not add any value to the report.
11. Added a subsection…’6.4. Specifications of downwire insulator of the downwire insulator’
12. Updated Tables 6.1 and 6.2 to make them more readable.
13. Added more information on analysis of results, specifically to address the issue of neutral shift and internal burning of wood suggested by the examiners.