

Title: **Live Work Contractors  
Scope of Work**

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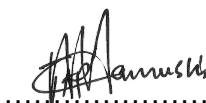
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DISCLOSURE****Compiled by****Bongani Msiza**  
**Line Manager**  
**(Live Work)**

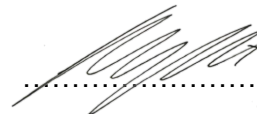
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## 1. INTRODUCTION

The Distribution Live Work standard mandates that all Live Work must be carried out in accordance with an approved safe work procedure/instruction. Only on the MV networks will Live Work contractors carry out the tasks included in this document (this scope will only cover the Gloving method)

## 2. PURPOSE

The purpose of this document is to provide an outline of the minimum Scope of Work that will be carried out to guarantee the safe, dependable, and appropriate execution of live work maintenance for Live Work contractors in MOU

## 3. APPLICABILITY

This document is intended to be applied across the entirety of the Mpumalanga operating unit, in which Eskom holds a controlling interest.

## NORMATIVE/INFORMATIVE REFERENCES

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

## 4. NORMATIVE

- [1] 240-146204207, Live Work Construction of a T-Off / Customer Connection (Gloving)<sup>1</sup>
- [2] 240-134638290, Making and Breaking of Jumpers (Gloving)
- [3] 240-135656761, Replacement of a Full / Non-Tension Repair Sleeve/Splice (Gloving Method)
- [4] DMN\_34-1219, Installing B.I.L / Repairing / Creating B.I.L on Down Running Earthwire. (Gloving)
- [5] 240-135656875, Pruning of Trees (Gloving)
- [6] 240-135661887, Installation of Bird Flappers / Fault Locators / Alarms (Gloving and Stick Method)
- [7] 240-135650268, Changing Pin/ Post Insulators on Vertical and Staggered Vertical Structures (Gloving)
- [8] DMN\_34-2179, Changing Pin / Post / Suspension Insulators on Horizontal / Delta / H-Pole / Wishbone (Gloving)
- [9] 240-135656727, Changing Strain Insulators on Vertical Structures (Gloving)
- [10] DMN\_34-2181, Strain Insulator Change on Horizontal / Delta Type Crossarm Configurations (Gloving)

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- [11] 240-134719131, Converting Intermediate to Strain Pole on Horizontal / Delta / H-Pole / Configuration (Gloving)
- [12] 240-68940910, Changing an Intermediate to a Strain Using Live Work Gloving Method
- [13] 240-61181702, Lines Live Work – Crossing Over 11 kV to 33 kV Energized Lines
- [14] 240-135661991, Installation / Maintenance of Dropout Fuse Link / Ganged Isolators on Vertical Structures (Gloving)
- [15] 240-134719145, Maintenance of Cut-Out Fuse Link / Ganged Isolators (Inline Strain or T-Off Using Gloving)
- [16] 240-135661970, Installation / Replacement of Stay Insulators (Gloving)
- [17] 240-135661721, Changing Intermediate Poles on Vertical and Staggered Vertical Structures (Gloving)
- [18] DMN\_34-2173, Replacement of Single / Double Wood Pole on H-pole Configuration (Gloving Method)
- [19] 240-135661831, Changing Pole / Suspension Insulators on Vertical Angle Structures (Gloving)
- [20] DMN\_34-808, Replacement of Horizontal or Delta Cross-arms and Poles (Live Work)
- [21] DMN\_34-809, Pole Change and Conversion of a Wishbone Configuration to a Staggered Delta (Live Work)
- [22] 240-134719149, Replacement of Wishbone Cross-arms (Live Work)
- [23] 240-135661812, Installing and Replacing Polymeric Surge Arrestors on MV Network (Gloving)
- [24] 240-135661212, Changing wooden Pole Structure to a " H " Pole Wooden Structure on 11KV and 22KV Lines

## 5. SCOPE OF WORK

- Live Work construction / dismantling of a t-off / customer connection (gloving)
- Making and Breaking of Jumpers (Gloving)
- Replacement of a Full / Non-Tension Repair Sleeve/Splice (Gloving Method)
- Installing B.I.L / Repairing / Creating B.I.L on Down Running Earthwire. (Gloving)
- Pruning of Trees (Gloving)
- Installation of Bird Flappers / Fault Locators / Alarms (Gloving and Stick Method)

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- Changing Pin/ Post Insulators on Vertical and Staggered Vertical Structures (Gloving)
- Changing Pin / Post / Suspension Insulators on Horizontal / Delta / H-Pole / Wishbone (Gloving)
- Changing Strain Insulators on Vertical Structures (Gloving)
- Strain Insulator Change on Horizontal / Delta Type Crossarm Configurations (Gloving)
- Converting Intermediate to Strain Pole on Horizontal / Delta / H-Pole / Configuration (Gloving)
- Changing an Intermediate to a Strain Using Live Work Gloving Method
- Lines Live Work – Crossing Over 11 kV to 33 kV Energized Lines (Proof of competency training is required before task can be executed)
- Installation / Maintenance of Dropout Fuse Link / Ganged Isolators on Vertical Structures (Gloving)
- Maintenance of Cut-Out Fuse Link / Ganged Isolators (Inline Strain or T-Off Using Gloving)
- Installation / Replacement of Stay Insulators (Gloving)
- Changing Intermediate Poles on Vertical and Staggered Vertical Structures (Gloving)
- Replacement of Single / Double Wood Pole on H-pole Configuration (Gloving Method)
- Changing Pole / Suspension Insulators on Vertical Angle Structures (Gloving)
- Replacement of Horizontal or Delta Cross-arms and Poles (Live Work)
- Pole Change and Conversion of a Wishbone Configuration to a Staggered Delta (Live Work)
- Replacement of Wishbone Cross-arms (Live Work)
- Installing And Replacing Polymeric Surge Arrestors on MV Network (Gloving)
- Changing wooden Pole Structure to a " H " Pole Wooden Structure on 11KV and 22KV Line

### **Soil Compaction**

- Planting of poles and backfilling of holes shall be in accordance with the design.
- The stay plate shall be placed up against undisturbed soil on the pole side of the hole; the hole shall be backfilled and compacted in layers of 250mm.

### **Pole Top inspection**

- Contractor must ensure that proper pole top inspections is done to ensure that the task will be executed safely

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### Miscellaneous

- Contractors may propose and price for any other item not catered in the scope.

### Commissioning

- Works to be commissioned according to the applicable Eskom Standards
- Handing over and documentation to be completed per on completion
- Contractor to supply all test/calibration of the equipment's to be used on the line
- Contractor to timeously confirm the exact dates and times of the arranged outages for commissioning purposes

### 4. REVISION

Revision History Date	Rev.	Compiled By	Remarks
May 2023	1	Bongani Msiza	Next revision is due when current contract Expires

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