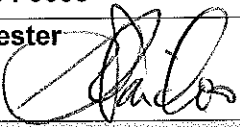
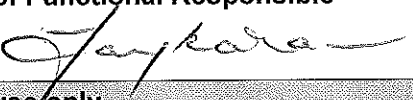

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		Applicable Division/Department/Section	
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Doc No	Title	Rev	New No
<u>34-1007</u>	Safe Working and Application of Portable Earthing Gear on Ashton, Vryheid and Klipdale 66kV Capacitor Banks (Montagu, Bredasdorp & Swellendam TSCs in Western Region)	1.0	
<u>34-1011</u>	Safe Working and Application of Portable Earthing Gear on Ceres 66kV Capacitor Bank	1.0	
<u>34-1013</u>	Safety Working and Application of Portable Discharge Earthing Gear on Knysna 66kV Capacitor Bank (Plettenberg Bay TSC Area in Western Region)	0.0	
<u>34-108</u>	Replace a Fuse Unit	1.0	
<u>34-1087</u>	Oil Filled Power Cable Type : Aliminium/Copper Rating : 44kV—132kV	0.0	
<u>34-1089</u>	Safe Working and Application of Portable Earthing Gear on Cowrie Substation 132kV Capacitor Bank (Nottingham Road TSC Area)	1.0	
<u>34-1094</u>	Safe Working and Application of Portable Earthing Gear on Delareyville Munic Sub 88kV Capacitor Bank 2	0.0	
<u>34-1105</u>	Circuit-Breaker: GEC Type: AGVB-1250-25-Standard Mechanism : Spring Ratings: 12kV; 1250Amp	1.0	
<u>34-1106</u>	Energy Meter KWH Reading and kVA Reading (Indigo Polyphase Meter Cl.2)	0.0	
<u>34-1116</u>	Preparation of the Piggyback System for Live Work Maintenance (Live Work)	0.0	
<u>34-1217</u>	Tap-changer: Maschinenfabrik Reinhausen, Type :C, Rating:145kV; 400Amps, Mode of Operation Motorized	1.0	
<u>34-1222</u>	Replacing a Pole on a Steel A-frame Structure, Using Live Work Methods	0.0	
<u>34-1223</u>	Making and Breaking of Jumpers (Gloving)	0.0	
<u>34-1303</u>	Replacing Suspension Cross Arms on 222a Lattice Structures, Using Live Work Methods	0.0	
<u>34-1310</u>	Repairs to a Conductor at Mid Span or Faulty Jumper Connections Using Barehand Procedure on Live 66kV to 132kV Lines	0.0	
<u>34-1349</u>	Safe Working and Application of Portable Earthing Gear on Goat 88kV Capacitor Bank	0.0	
<u>34-1350</u>	Safe Working and Application of Portable Earthing Gear on Heilbron 88kV Capacitor Bank	0.0	
<u>34-1351</u>	Safe Working and Application of Portable Earthing Gear on Klerksdorp West 88kV Capacitor Bank	0.0	
<u>34-1352</u>	Safe Working and Application of Portable Earthing Gear on Mmabatho 88kV Capacitor Bank	0.0	
<u>34-1354</u>	Safe Working and Application of Portable Earthing Gear on Montshiwa 11kV Capacitor Bank	0.0	
<u>34-1355</u>	Safe Working and Application of Portable Earthing Gear on Delareyville 88kV Capacitor Bank	0.0	
<u>34-1377</u>	Manual for Mechanical and Manual Handling of Rural Line Poles and Cross-arm on a Pole-Trailer and Truck	0.0	

<u>34-14</u>	Circuit-Breaker: Asea Type: HLR Series (E), Rating: 88-132kE; 2500A, Mechanism: BLG 352	1.0	
<u>34-1516</u>	Circuit-Breaker: Oerlikon Type: TOFQ 80-12 & TOFQ 150-12 Rating: 88kV; 1250A, 132kV; 2500A Mechanism: KRI (Spring Drive)	1.0	
<u>34-1555</u>	Safe Working and Application of Portable Earthing Gear on Schuitdrift 33kV Capacitor Banks	0.0	
<u>34-1557</u>	Safety Working and Application of Portable Discharge Earthing Gear on Port Allen Substation 44kV Capacitor Bank (North West Region)	0.0	
<u>34-1562</u>	Safe Working and Application of Portable Earthing Gear on Tweespruit 88kV Capacitor Banks	1.0	
<u>34-1563</u>	Safe Working and Application of Portable Earthing Gear on Jordan 123kV 18 MVARs Capacitor Banks	0.0	
<u>34-1565</u>	Safety Working and Application of Portable Discharge Earthing Gear on Taaiput Substation 132kV Capacitor Bank and Ganspan Substation 132kV Capacitor Bank 1 & 2 (Welkom TSC Area)	0.0	
<u>34-1571</u>	Safe Working and Application of Portable Earthing Gear on Blouputs Substation 132kV Capacitor Bank (upington TSC Area in Western Region)	1.0	
<u>34-1572</u>	Safe Working and Application of Portable Earthing Gear on Groblersdal 22kV Capacitor Banks	0.0	
<u>34-1574</u>	Safe Working and Application of Portable Earthing Gear on Kiersol 66kV Capacitor Banks	0.0	
<u>34-1575</u>	Safe Working and Application of Portable Earthing Gear on Leslie 22kV Capacitor Banks	0.0	
<u>34-1576</u>	Safe Working and Application of Portable Earthing Gear on Marble Hall 22kV Capacitor Bank 1 and 2	0.0	
<u>34-1579</u>	Safe Working and Application of Portable Earthing Gear on Sar Van Der Merwe 88kV Capacitor Bank (Cullinan TSC Area in North Region)	0.0	
<u>34-1580</u>	Safe Working and Application of Portable Earthing Gear on Gara-nkuwa 132kV Capacitor Bank	0.0	
<u>34-1589</u>	Safe Working and Application of Portable Earthing Gear on Kareefontein 66kV Capacitor Bank	0.0	
<u>34-1739</u>	Changing 11kV and 22kV Wooden Poles With Truck Mounted Insulating Cross Arm Using Live Work Methods	0.0	
<u>34-1740</u>	Changing 11kV and 22kV Wooden Poles With Spreader Bars Using Live Work Methods	0.0	
<u>34-1766</u>	Drill Holes Underneath or in Close Proximity of High Voltage Apparatus With a Drilling Rig	3.0	
<u>34-180</u>	Running Out and Tensioning of Conductors	1.0	
<u>34-1810</u>	Spray Washing of Insulators on Energised Apparatus from 11kV to 132kV, Using Live Work Methods	0.0	
<u>34-182</u>	Assembling of Structures	1.0	
<u>34-183</u>	Backfill and Compacting of Excavations	1.0	
<u>34-184</u>	Camp Site Establishment	1.0	
<u>34-185</u>	Excavation for Lines & Substations	1.0	
<u>34-186</u>	Handing Over of Construction Project by Major Engineering Works	1.0	
<u>34-187</u>	Installing of Reinforcing Bar and Formwork	1.0	
<u>34-1905</u>	Circuit-Breaker: ABB Type: Compass & Pass Rating: 145kV, 2500A & 40ka Mechanism: BLK 222	1.0	
<u>34-2089</u>	Stubbing of Damaged/ Rotten Poles on 132kV 5 Pole Wooden Structures (Stick Method)	0.0	

<u>34-2090</u>	Replacement of Strain Insulators on A-frame Configuration (Gloving)	0.0	
<u>34-2114</u>	Safety Working and Application of Portable Discharge Earthing Gear on Qwaqwa Distribution Substation 132kV Capacitor Bank (Harrismith TSC Area in North West Region)	0.0	
<u>34-2115</u>	Safe Working and Application of Portable Earthing Gear on 132kV Zimbane Substation Capacitor Bank (mthatha North TSC Areas in Southern Region)	0.0	
<u>34-2148</u>	Installation / Replacement of Bird Protectors (Stick and Barehand)	0.0	
<u>34-2180</u>	Converting Intermediate to Strain Pole on Horizontal / Delta / H-Pole / Configuration (Gloving)	0.0	
<u>34-2181</u>	Strain Insulator Change on Horizontal / Delta Type Crossarm Configurations (Gloving)	0.0	
<u>34-2182</u>	Safety Working and Application of Portable Discharge Earthing Gear on Oasis and Gordonias Substation 22kV Capacitor Banks 1 & 2 (Western Region at Upington TSC Area)	0.0	
<u>34-2208</u>	Access to Work Sites	0.0	
<u>34-2211</u>	Metering Commissioning Remote Communication	0.0	
<u>34-2219</u>	Metering - Field Data Downloading and Tariff Change / Updates	0.0	
<u>34-2220</u>	Antenna Removal / Installation	0.0	
<u>34-2227</u>	Replacing a Section of Conductor (Gloving)	0.0	
<u>34-235</u>	Safe Working and Application of Portable Earthing Gear on 22kV Reticulation Line (pole No. Mmf 75 and Rhf 81) Capacitor Bank (western Region, Prieska Tsc)	1.0	
<u>34-237</u>	Safe Working and Application of Portable Earthing Gear on Graafwater 66kV Capacitor Bank (western Region)	1.0	
<u>34-247</u>	Safe Working and Application of Portable Earthing Gear on First Falls Hydro Stations 11kV Capacitor Banks (southern Region, Zimbane Tsc)	1.0	
<u>34-276</u>	Covering of Cable Trenches	1.0	
<u>34-277</u>	Dynamic Cone Penetrometer Test	1.0	
<u>34-279</u>	Barricading of Exposed Excavations	1.0	
<u>34-280</u>	Install Earth and Earth Matt in Sub-Stations	1.0	
<u>34-282</u>	Installation of Yard Lighting in a Sub-Station	1.0	
<u>34-284</u>	Installation of Control Cables in Sub-Transmission Sub-Stations	1.0	
<u>34-289</u>	Installation of Control Panels	1.0	
<u>34-290</u>	Installation of Isolators	1.0	
<u>34-291</u>	Installation of Junction Boxes	1.0	
<u>34-292</u>	Installation of NEC's and NER's	1.0	
<u>34-294</u>	Installation of Surge Arrestors	1.0	
<u>34-295</u>	Installation of Earthing on Sub-Transmission Line Structures	1.0	
<u>34-296</u>	Installation of Tubular Busbar	1.0	
<u>34-301</u>	Shoring of Excavation for Lines and Substations	1.0	
<u>34-309</u>	Safe Working and Application of Portable Earthing Gear on Lamington Substation 22kV Capacitor Bank (underberg TSC Area, East Region)	1.0	
<u>34-311</u>	Safe Working and Application of Portable Earthing Gear on Pongola Substation 22kV Capacitor Bank (Pongola Tsc)	1.0	
<u>34-341</u>	Maintenance on Mini Substations (Dead Work)	1.0	

<u>34-411</u>	Safe Working and Application of Portable Earthing Gear on 22kV Edwardsdam Substation Capacitor Bank (central Region Stella Tsc)	1.0	
<u>34-413</u>	Safety Working and Application of Portable Discharge Earthing Gear on Virginia Terminal Substation 132kV Capacitor Bank (Welkom TSC Area in North West Region)	1.0	
<u>34-424</u>	Safe Working and Application of Portable Earthing Gear on Butterworth Substation 22kV Capacitor Bank (southern Region, Butterworth Tsc)	1.0	
<u>34-427</u>	Safe Working and Application of Portable Earthing Gear on Oribi Substation 88kV Capacitor Bank (Eastern Region, Marburg Tsc)	1.0	
<u>34-442</u>	Safe Working and Application of Portable Earthing Gear on Louis Trichardt Substation 22kV Capacitor Bank (northern Region, Louis Trachardt Tsc)	1.0	
<u>34-443</u>	Safe Working and Application of Portable Earthing Gear on Kokstad Substation 132kV Capacitor Banks 2 and 3 in Eastern Region at Kokstad TSC Area	1.0	
<u>34-460</u>	Safe Working and Application of Portable Earthing Gear on Venulu Substation 132kV Capacitor Bank (north Region, Louis Trichardt Tsc)	1.0	
<u>34-468</u>	Tap Changer: Associated Tap Changers / Alstom, Type:AT 317/44/300 L; AT 315/33/300 L and AT 313/33/300 L, Rating: 300 Amps, Mode of Operation:Motorized	1.0	
<u>34-473</u>	Isolators: South Wales Auto Trip Type: 88cb800s Rating: 88kV / 800A Mode of Operation: Spring Operated	1.0	
<u>34-475</u>	Isolator: Hudaco Type: SSB24/800, SSB48/1600, SSB66/800, SSB72/1600, SSB96/1250 and SSB145/1250 Rating: 22kV, 44kV, 66kV, 88kV and 132kV; 800A, 1250A and 1600A Mode of Operation: Manual	1.0	
<u>34-476</u>	Isolator: BBC Type: DOB 8812 Rating: 88kV, 1250A Mode of Operation: Hand Operated	1.0	
<u>34-477</u>	Isolator: Asea Type: NRBP-b Rating: 22kV; 800A Mode of Operation: Manual	1.0	
<u>34-506</u>	Isolator: Sprecher & Schuh, Type: Panto Graphs, Rating: 132kV; 2500Amp, Mode of Operation: Motorised	1.0	
<u>34-622</u>	Circuit-Breaker: Delle Type: HPGE 7-8 and 7-9 Mechanism: BNR 4 Me Rating: 22kV; 800A	1.0	
<u>34-684</u>	Tap Changer:Ferranti Type: DS 300 Rating: Mode of Operation: Motorized	1.0	
<u>34-685</u>	Tap Changer: Hawker Siddeley Type: Fuller 315/7 - 33/44/66 - 150/300 Rating: 300A Mode of Operation: Motorised	1.0	
<u>34-686</u>	Circuit-Breaker: Merlin Gerin Type: Fluarc FB4 Mechanism: Merlin Gerin Rating: 24kV;800/1250/1600A	1.0	
<u>34-791</u>	Bonding of Cross-Arms on 66kV – 132kV H-Pole and 5-Pole Configuration, Using Live Work Method	0.0	
<u>34-807</u>	Maintenance of Cut-Out Fuse Link / Ganged Isolators (Inline Strain or T-Off Using Gloving)	0.0	
<u>34-810</u>	Replacement of Wishbone Cross-arms (Live Work)	0.0	
<u>34-813</u>	Replacing Insulators on 66-132kV Overhead Lines on 5-Pole Wooden Structures, Using Live Work Methods	0.0	
<u>34-817</u>	Circuit-Breaker Ferguson, Pailin Type: RP 28 and RP 32, Mechanism Make :Spring , Rating :22kV; 400 - 600A 500mVA to 750mVA	1.0	
<u>34-917</u>	Silica Gel Breather Maintenance /Replacement	1.0	
<u>34-918</u>	Tap Changer: Ansaldo, Type: CST 8 Rating: 800 Amps Mode of Operation: Motorized	1.0	
<u>34-924</u>	Oil Filling of Transformers Under Vacuum	1.0	

<u>34-93</u>	Operting Metal Clad Switchgear	1.0	
<u>34-957</u>	Safe Working and Application of Portable Earthing Gear on Hangklip Substation 66kV Capacitor Bank (graafreinet Tsc)	0.0	
<u>34-99</u>	Work With Mechanical High Cutters on Ground Level and from a Bucket Attached to a Vehicle Mounted Crane/Aerial Device	1.0	