

# Transformers HV LV Regulators Reactors

## – Field Data Collection Form



<b>To: Asset Data Governance Group</b>		<b>FN</b> <input type="checkbox"/>	<b>NQ</b> <input type="checkbox"/>	<b>MK</b> <input type="checkbox"/>	<b>CA</b> <input type="checkbox"/>	<b>WB</b> <input type="checkbox"/>	<b>SW</b> <input type="checkbox"/>
Location:		Phone:			Erect/Remove Date:		
Business Unit:		Region:			Depot:		
WO No:		WR No:			Fdr No:		
Site Label							
Plant Number (SPN)							
Drawing Station No							
Substation No							
Serial No							
Address (Location)							
Activity	<input type="checkbox"/> Erect <input type="checkbox"/> Remove		<input type="checkbox"/> Erect <input type="checkbox"/> Remove		<input type="checkbox"/> Erect <input type="checkbox"/> Remove		
Type	<input type="checkbox"/> Pole Bolted <input type="checkbox"/> Xarm <input type="checkbox"/> Pole Platform <input type="checkbox"/> Padmount <input type="checkbox"/> Ground Type <input type="checkbox"/> SWER <input type="checkbox"/> Isolator		<input type="checkbox"/> Pole Bolted <input type="checkbox"/> Xarm <input type="checkbox"/> Pole Platform <input type="checkbox"/> Padmount <input type="checkbox"/> Ground Type <input type="checkbox"/> SWER <input type="checkbox"/> Isolator		<input type="checkbox"/> Pole Bolted <input type="checkbox"/> Xarm <input type="checkbox"/> Pole Platform <input type="checkbox"/> Padmount <input type="checkbox"/> Ground Type <input type="checkbox"/> SWER <input type="checkbox"/> Isolator		
Rating (kVA)							
Manufacturer							
Model Number							
Year of Manufacture							
Voltage <small>(Primary/Secondary/Tertiary)</small>	Prim	/ Sec.	/ Ter.	Prim	/ Sec.	/ Ter.	Prim / Sec. / Ter.
Number of Phases							
Tap Setting	Tap	of		Tap	of		Tap of
OLTC Counter Reading							
Meter Number							
Insulation Medium	<input type="checkbox"/> Oil <input type="checkbox"/> SF6 <input type="checkbox"/> Vacuum <input type="checkbox"/> Air		<input type="checkbox"/> Oil <input type="checkbox"/> SF6 <input type="checkbox"/> Vacuum <input type="checkbox"/> Air		<input type="checkbox"/> Oil <input type="checkbox"/> SF6 <input type="checkbox"/> Vacuum <input type="checkbox"/> Air		
Owner	<input type="checkbox"/> <b>CU</b> -Customer <input type="checkbox"/> <b>EE</b> -Ergon		<input type="checkbox"/> <b>CU</b> -Customer <input type="checkbox"/> <b>EE</b> -Ergon		<input type="checkbox"/> <b>CU</b> -Customer <input type="checkbox"/> <b>EE</b> -Ergon		
<b>Regulator Controller</b>							
Serial Number							
Make							
Model							
Contract Number							
Year of Manufacture							
Auxiliary Voltage							
Auxiliary Voltage Type	<input type="checkbox"/> AC <input type="checkbox"/> DC		<input type="checkbox"/> AC <input type="checkbox"/> DC		<input type="checkbox"/> AC <input type="checkbox"/> DC		
Firmware Date							
Firmware Version							
Battery Voltage							
Relay Type	<input type="checkbox"/> Buchholz <input type="checkbox"/> Electro-Mechanical <input type="checkbox"/> Electronic <input type="checkbox"/> Pressure Vent		<input type="checkbox"/> Buchholz <input type="checkbox"/> Electro-Mechanical <input type="checkbox"/> Electronic <input type="checkbox"/> Pressure Vent		<input type="checkbox"/> Buchholz <input type="checkbox"/> Electro-Mechanical <input type="checkbox"/> Electronic <input type="checkbox"/> Pressure Vent		

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Earthing			
Earth Type (tick all that apply)	<input type="checkbox"/> SWER Dist Sub <input type="checkbox"/> MEN Dist Sub - <input type="checkbox"/> Urban <input type="checkbox"/> Remote <input type="checkbox"/> CMEN Dist Sub - <input type="checkbox"/> Urban <input type="checkbox"/> Remote <input type="checkbox"/> Concessional Dist Sub (Non-SWER) <input type="checkbox"/> SWER Isolating Sub <input type="checkbox"/> SWER Reactor <input type="checkbox"/> Regulator - <input type="checkbox"/> SWER <input type="checkbox"/> MEN	<input type="checkbox"/> SWER Dist Sub <input type="checkbox"/> MEN Dist Sub - <input type="checkbox"/> Urban <input type="checkbox"/> Remote <input type="checkbox"/> CMEN Dist Sub - <input type="checkbox"/> Urban <input type="checkbox"/> Remote <input type="checkbox"/> Concessional Dist Sub (Non-SWER) <input type="checkbox"/> SWER Isolating Sub <input type="checkbox"/> SWER Reactor <input type="checkbox"/> Regulator - <input type="checkbox"/> SWER <input type="checkbox"/> MEN	<input type="checkbox"/> SWER Dist Sub <input type="checkbox"/> MEN Dist Sub - <input type="checkbox"/> Urban <input type="checkbox"/> Remote <input type="checkbox"/> CMEN Dist Sub - <input type="checkbox"/> Urban <input type="checkbox"/> Remote <input type="checkbox"/> Concessional Dist Sub (Non-SWER) <input type="checkbox"/> SWER Isolating Sub <input type="checkbox"/> SWER Reactor <input type="checkbox"/> Regulator - <input type="checkbox"/> SWER <input type="checkbox"/> MEN
Deep Drilled Earth	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
R1 HV (Ohms)			
R2 HV (Ohms) GEO-X			
RT (Calculated) $(R1 \cdot R2) / (R1 + R2)$			
Continuity HV (Ohms)			
MEN (Ohms) (Discon)			
Grid Neutral (MEN)(Conn)			
<i>Office Use Only - Reparenting Complete</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO - <input type="checkbox"/> Site mismatch <input type="checkbox"/> No SPN	<input type="checkbox"/> YES <input type="checkbox"/> NO - <input type="checkbox"/> Site mismatch <input type="checkbox"/> No SPN	<input type="checkbox"/> YES <input type="checkbox"/> NO - <input type="checkbox"/> Site mismatch <input type="checkbox"/> No SPN
<i>Disposal Value – Project Accounting Use Only</i>			

### WORK GROUP LEADER NAME (print):

This person is accountable for (a) ensuring the complete and accurate capture of all data requirements on this form and (b) for forwarding this form to Asset Data Governance in accordance with *As Constructed* requirements.

**Note:** All earth testing to be performed with an approved calibrated Earth Resistance Tester or GEO-X Tester. If a GEO-X Tester is used all earth testing will be performed in accordance with RTNM1502: Identify and Test MEN and CMEN Earths with a GEO-X Tester and RTNM1602: Identify and Test SWER Earths with a GEO-X Tester.

- Where there is a single HV earth down lead the earth reading is to be recorded as R1.
- R2 reading is only to be recorded where a GEO-X Tester is used to conduct the test on an earth grid arrangement with two down leads.
- When a Common Earthing Arrangement is installed (earthing grid connected to the mains neutral) the earth reading for the connected arrangement is to be recorded as Grid Neutral (MEN).
- The unconnected earth grid reading for Ground and Padmount Distribution Subs with a common earth arrangement recorded is to be recorded as R1 and the connected reading is to be recorded as Grid Neutral (MEN)