HORIZ	OWER							TEST SHEET – EARTH TESTING OF DISTRIBUTION POLES HPC-4DL-07-0038-2017 ing and testing of the earth resistance of stakes for distribution pole earths.						
	sheet, instea	l ese tests mus ad use <u>HPC-4</u> maintain suita	4DL-07-0037	<u>'-2017 Earth</u>	Testing of A	Itered Sy	<u>stems</u>				een replaced	d, altered or r	epaired do r	ot use this
DATE:		Project No.						Name of Officer						
Location de	escription:			·				·						
1. LINE	DETAILS													
Rated System Voltage			kV No of stakes				Typical stake depth m					ize of earth c	mm	
2. EARTH STAKE RESISTANCE TEST														
system. This This test is r	epeated by r	ing an Earth s two test ins noving electr ach stake, is	strument electronic strument electronic structure structure structure structure structure structure structure s Structure structure st	trodes (elecance of 3 me	trode 2 and e	electrode s and bac	3), ins kwarc	stalled at c Is from its	listances as initial positio	per the refer	ence table s ht line.	shown in sect		the earthing
			e ar er age				e tai te ;					···		
Pole number	r:													
Disconnect earth stake														
Required respectively package doc		ber design	Ω	Ω	Ω		Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω
Measured re	esistance		Ω	Ω	Ω		Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω
Measured resistance after moving electrode P metres plus 3 m		Ω	Ω	Ω		Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	
Measured re electrode P			Ω	Ω	Ω		Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω
Average valu measuremen		ove three	Ω	Ω	Ω		Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω
Average valu required des		an the												
ocument Ma		0			sion 0		•	1					Page 1 of	



DISTRIBUTION COMMISSIONING TEST SHEET – EARTH TESTING OF DISTRIBUTION POLES HPC-4DL-07-0038-2017



This commissioning test sheet covers the checking and testing of the earth resistance of stakes for distribution pole earths.

Reconnect earth stake												
Continuity check: measured resistance between pole earth bond and earth stake		Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω
3. OPERATIONAL H	4 - 4 - 11 - 1 -											
I hereby certify that all se	he commissioning officer must ensure that all checks are completed and the test results comply with the minimum standards. I hereby certify that all sections have been completed with satisfactory results and transfer responsibility to the network operating authority. This equipment is ready to be SAFELY energised.								dy to be			
Commissioning Officer:							Pay	Number:				_
Signature:							Date	e:	DD/MM/Y	Y Time:		HH:MM
		IMPORTA	NT: PLEAS	E SEND TH	HIS SHEET	TO THE R	ELEVANT	ASSET MA	NAGER			



DISTRIBUTION COMMISSIONING TEST SHEET – EARTH TESTING OF DISTRIBUTION POLES HPC-4DL-07-0038-2017



This commissioning test sheet covers the checking and testing of the earth resistance of stakes for distribution pole earths.

4. REFERENCE TABLE



Flastrada Danth	Test Lead lengths from Earth Electrode						
Electrode Depth	Potential Probe (P)	Current Probe (C)					
< 15 m	30 m	50 m					
15 to 30 m	60 m	100 m					
30 to 45 m	90 m	150 m					
45 to 60 m	120 m	190 m					
60 to 75 m	150 m	240 m					
75 to 100 m	200 m	320 m					
Unknown	30 m	50 m					