

VOLTAGE DECAY (PLUG DISCHARGE)

CRITICAL TEST CONDITIONS IDENTIFIED	
<ul style="list-style-type: none">• The preventive actions decided on depend on the choice of equipment used. The equipment is not defined in any standard.• Clearly, the calibration of the oscilloscope (or voltmeter) is important, as are the nature of the incoming supply and any timing devices used. Please refer to the workshop content related to the PTP on this topic.• The disconnect device can introduce difficulties with measuring the appropriate time gap, and can also have an internal resistance which interferes with the test result.• One needs to determine other possible causes of interference, for example from physical measurements and electrical interference.• The probe size can affect the resolution of the readings obtained, (by introduction of noise), and it is important to obtain a good quality probe and optimize the performance of the overall test rig with full knowledge of what the test is trying to achieve.• It is recommended to use a standardized sample and compare the theoretical result with the obtained result at every testing interval.	