



VEBKO ONLINE HELP

“Shot Test” Tab

Category	tester
Section	AMT VI STARTING Module
Language	English
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As mentioned previously, one of the windows in "VI Starting" room is "Test View". This window has 6 tabs including "Shot Test", "Check Test", "Search Test", "Setting", "Trigger" and "Binary Output". Specifying the test points is done in "Shot Test", "Check Test" and "Search Test" tabs.

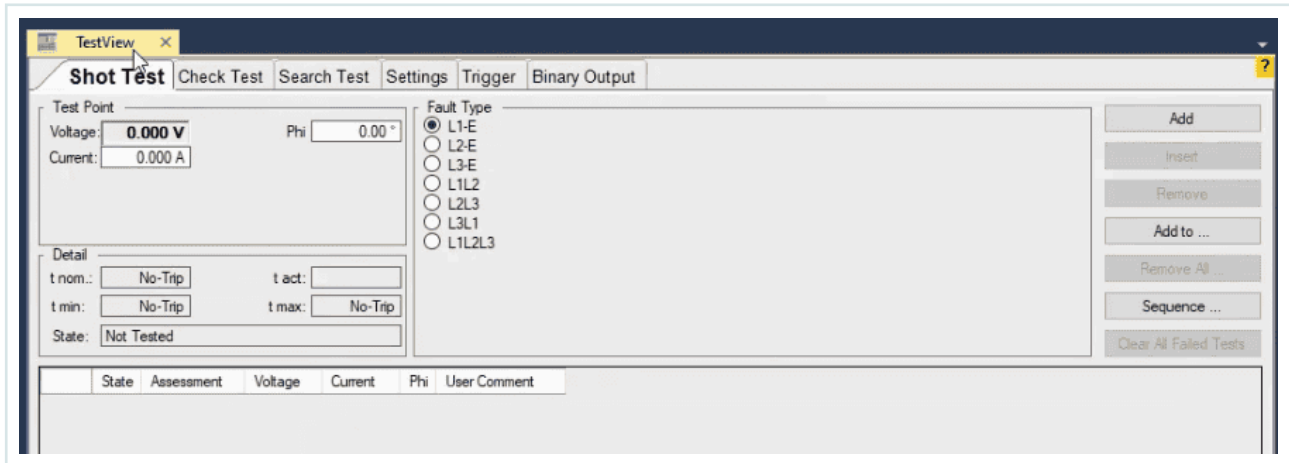


Figure 1

In "Shot Test" tab, you can select fault type and the points for the test and after the test is performed, you can view the results of the evaluation. In this tab, in "Test Point" section the fault current and voltage and in "Fault Type" section the fault type are determined. Voltage, fault current and the angle between voltage and current are entered in "Voltage", "Current" and "Phi" tabs respectively. After specifying the current and voltage of the test, it is necessary to select the fault type from the standard faults available in "Fault Type" section. These faults include different fault types of phase to earth, two-phase and three-phase.

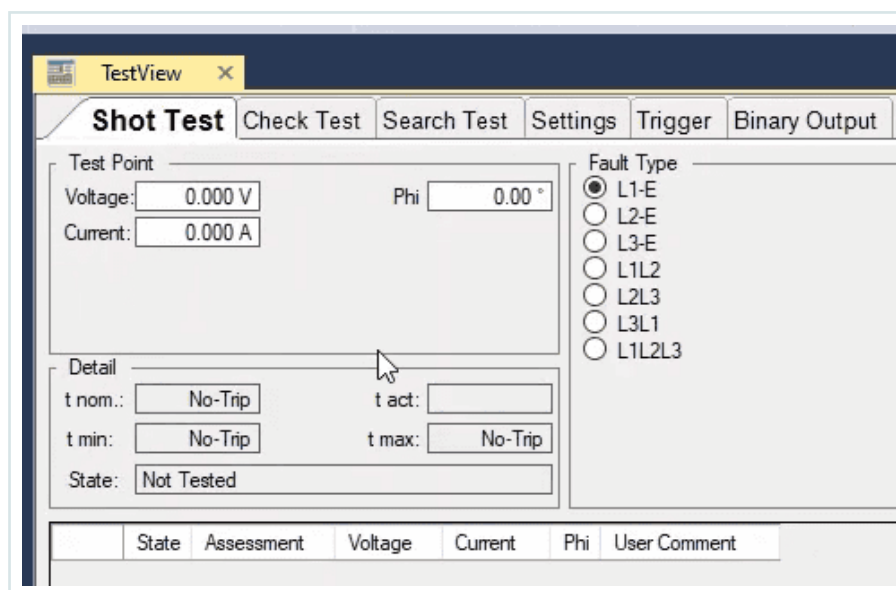


Figure 2

By clicking on "Add", the selected test point is entered in the table in this window. By selecting one of

the rows and then selecting "Insert" option, the selected row is repeated in the table and by clicking on "Remove", the selected point is removed. By selecting "Add to" option, it is possible to copy point or points selected for a "Fault Type" to another "Fault Type". By clicking on "Remove All", all test points entered in the table are removed.

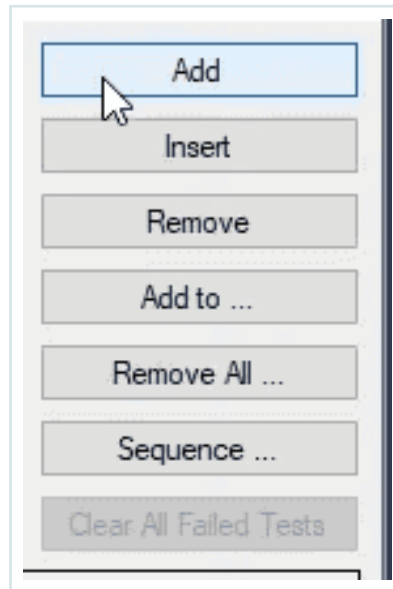


Figure 3

By clicking on "Sequence" option, "Sequence Test Points to" page opens where it is possible to create test points with equal steps. In "Step" section, steps are created toward the range. By selecting "Angle" in "Step On" field, angular steps are entered directly in terms of degrees. This means that the test points are entered according to the origin point specified in "Origin" section in a way that the required angles are resulted in accordance with the horizon. For example, if 45 and 90 degrees are entered as start and end point with 5 degrees steps and 5 volts and 5 amps as origin point, by confirming this settings and "Zooming All" you can see that there are some points added on the "VI Characteristic". For example, the last point is selected. By doing the calculations mentioned in the picture you can see that the resulted angle is 85 degrees and not 90 which is because the "Origin" point is considered as one of the points as well and the last point of this "Sequence" is removed.

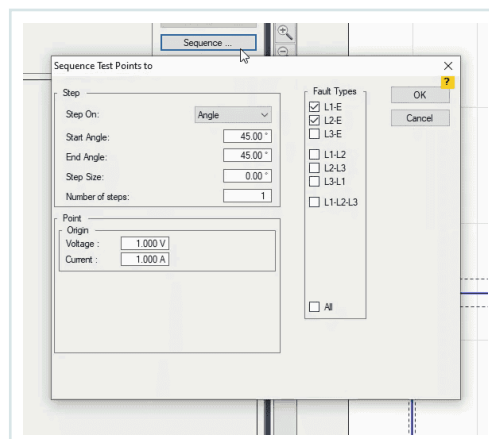


Figure 4

But by selecting "Direction", an angle is specified in "Angle" field and in this angle from the "Origin" point, with the length entered in "Length" field and by steps specified in "Step Size", some points are shot on the curve. Note that the length and the steps of the points are specified according to nominal current which is the same as the "CT" secondary current entered in "Device" block on "Test Object" page. For example, if 45 degree, 5 and 0.5 times the nominal current, 0 And 0 are entered as angle, length, step and origin point, by confirming this setting and "Zooming All", you can see that some points are created in 45 degrees in the characteristic curve with 0 Volts and 0 Amps as the point of origin.

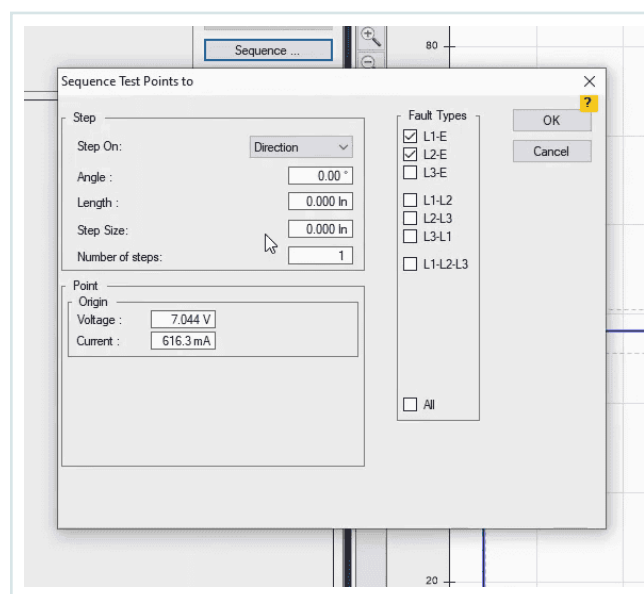


Figure 5

If the performed test has "Failed" points, by selecting "Clear All Failed Tests" option, these points are cleared from the table in this section. In "Detail" section, the information related to "Tip" nominal time, the allowed operation time range, the actual time and evaluation of test point are entered in "T nom", "T min" and "T Max", "T act" and "State" fields respectively. In the table at the bottom of the page, the test points are entered with various details. The details include test evaluation, test voltage, test current, the angle between voltage and current of the test point. Also, if you wish to enter a comment for any of the points, you can select "User Comment" from the cell. At the end of this page it is possible to select the test point table in different "Fault Types".

[jg1]Shot_Test_tab