

PCS Working Group for Continuous Revisions to C57.12.00

WG Item 50

C57.12.00 Section 7.1.5.3 System characteristics

Change Requested by : Loren Wagenaar

Requested Change : (Comment received from draft 3 ballot of C57.12.00 – 2000.)

“The value of $X0/X1 = 2.0$ given in the standard is too high. On the AEP system it is as low as 0.6 for 345 kV and above, and 0.4 for 138 kV and below. I suggest that this value be reduced to these values.”

7.1.5.3 System characteristics

“For Categories III and IV, the characteristics of the system on each set of terminals of the transformer (system fault capacity and the ratio of $X0/X1$) should be specified. For terminals connected to rotating machines, the impedance of the connected equipment should be specified. In lieu of specified system fault capacities and rotating machine impedances, values shall be selected for each source from Table 16 and Table 17. In lieu of a specified $X0/X1$ ratio, a value of 2.0 shall be used.”

WG Proposal :