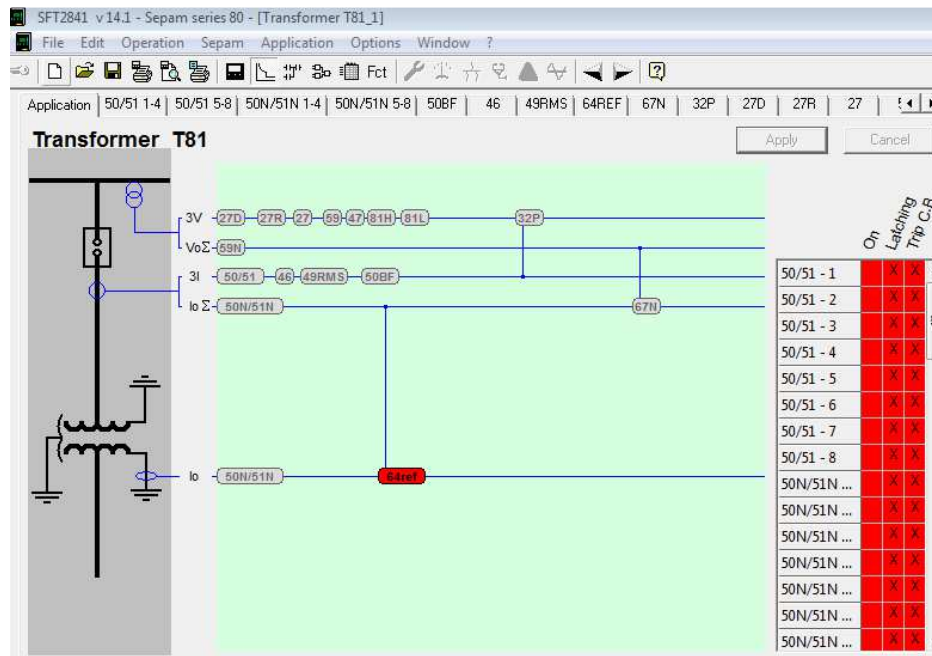
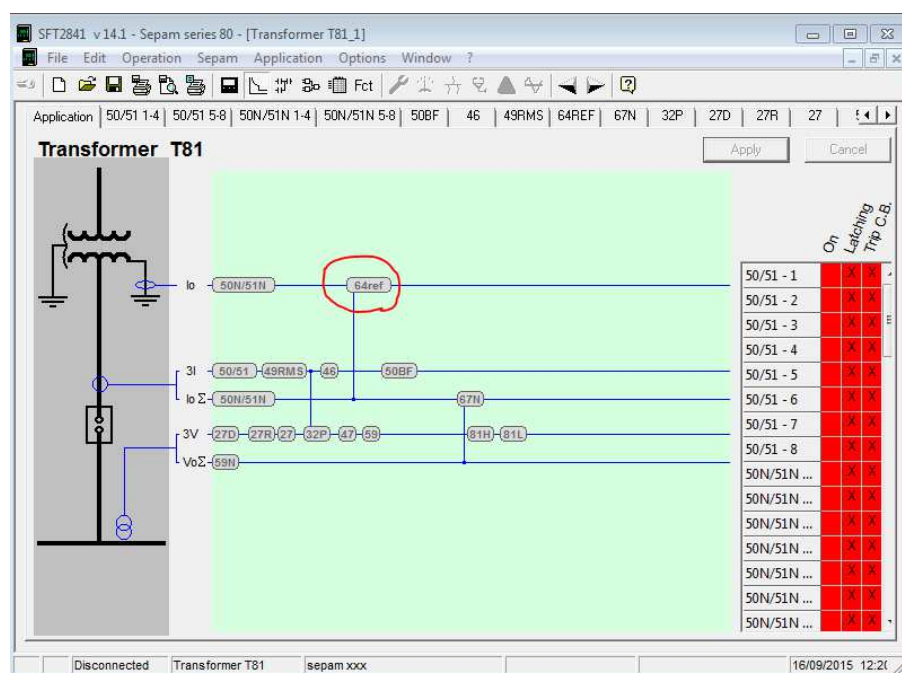


Why 64REF protection sometimes became red in Application page in Sepam engineering tool SFT2841?
(Sepam series 60, 80)

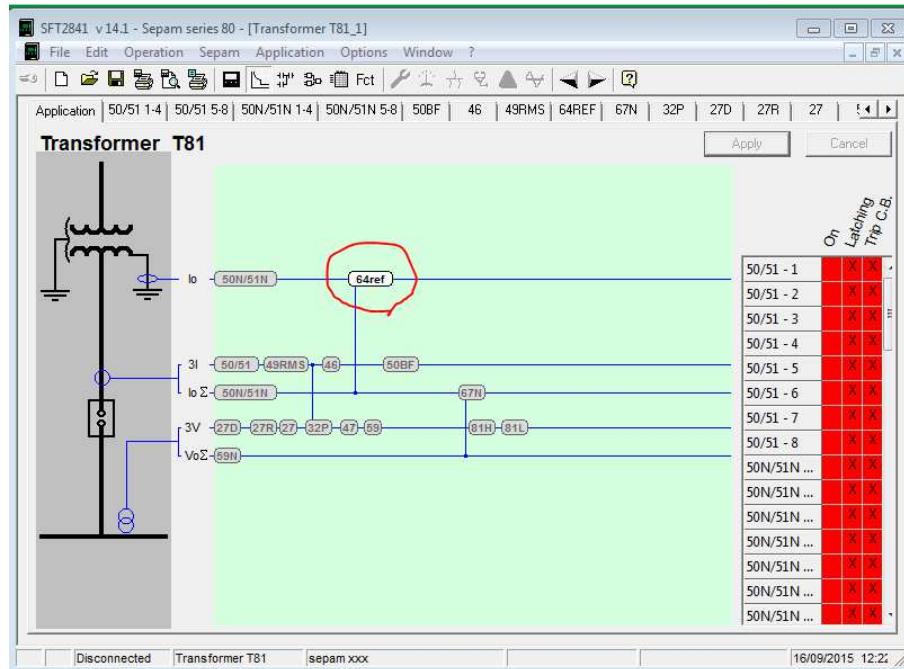


The important step before enabling 64REF protection is choosing the correct CT connection for relay. Just a simple explanation is that we should choose CTs for phases and CT installed on neutral system, exactly from same winding side of transformer. Please see below CT connection.

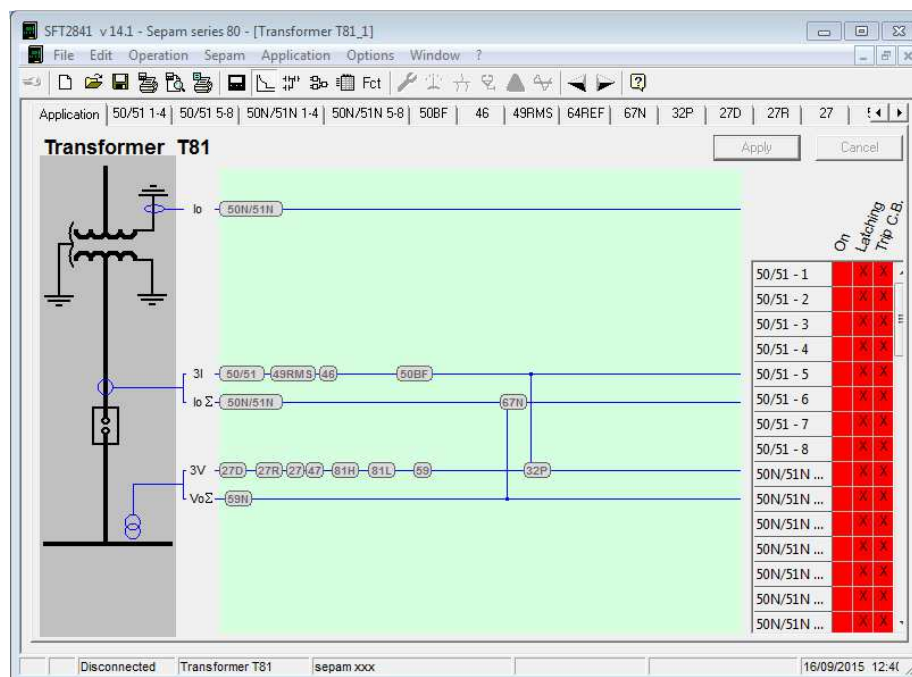
If the CT connection is chosen correctly then 64REF will appear in Single Line diagram.



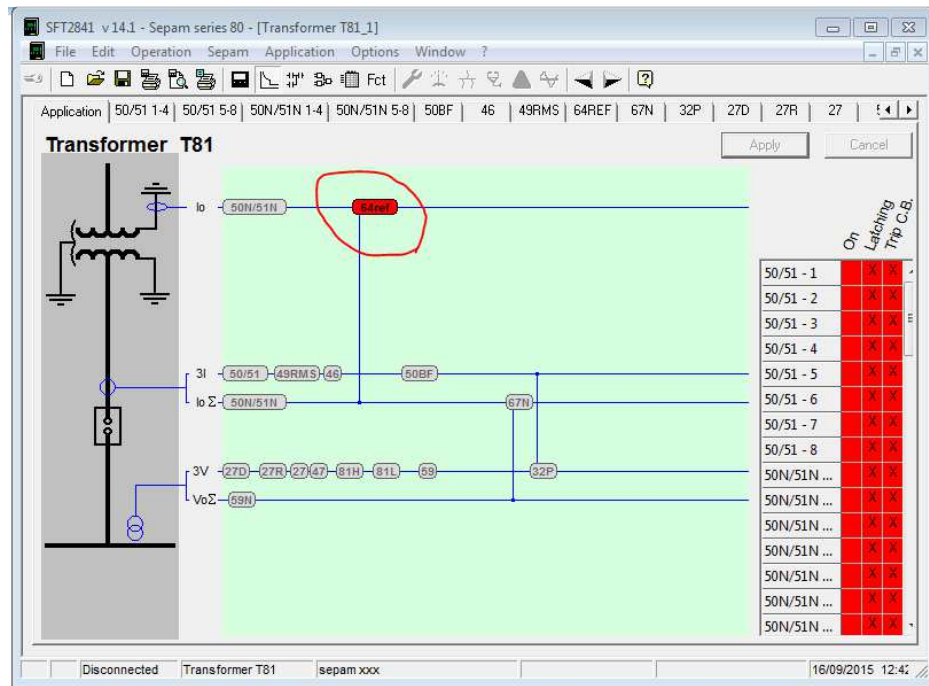
And if in protection tabs you activate it, it would be shown in white. So it means everything for using 64REF is okay.



But here after you will see that phase CTs are installed in secondary side of transformer and neutral CT is installed on primary side. This configuration is possible in Sepam series 60,80 (if customer wants to sense and protect earth fault in primary). But as you see in below figure we do not have 64 REF in application page.



Anyhow in this case if customer goes to protection tab and activates 64REF then Sepam engineering tool (SFT2841) will show the 64REF protection as red. It means nothing will work correctly for this function.



AEDL3