

ABSTRACT

PT Telkom Akses Witel Purwokerto has several operating divisions, one of which is the IOAN (Integrated Operation Access Network) division. This division has the main responsibility in handling problems or complaints related to the Indihome network reported by customers through reports or detected by the system. One of the common problems that often occurs on the Indihome network is under spec interference, which is characterized by a high level of signal attenuation that can result in a decrease in the quality of customer internet services. Identification of under spec interference is usually done by monitoring the decrease in internet speed from what it should be. To check for this interference, a tool called OPM (Optical Power Meter) is used, which functions to measure the power on the fiber optic cable. The method used by the author in preparing this report is by interviewing admin colleagues in the office or admins who close under spec tickets. Based on the results of the analysis that has been carried out, under spec interference usually occurs because the cable is bent, the cable connection is damaged and too much, the cable is chipped, and the SC connector is damaged.

Keywords: *Indihome, Under Spec, Interference*