

ABSTRAC

PT. Telkom Access Purwokerto has several work units including the IOAN (Integrated Operation Access Network) division where this division has the duty and responsibility for complaints of problems or disruptions to the indihome network that are reported by customers through existing reports or those detected by the system. Disturbances that often occur on the Indihome network are under spec disturbances, namely high attenuation which can result in a decrease in the quality of customer internet services. This under spec interference detection is usually marked by internet speed that is lower than it should be. Checking for under spec interference can also be measured using a tool called an OPM (Optical Power Meter), which is a tool for measuring power in fiber optic cables. If the measurement of loss interference using OPM then the value shown is more than -23 dB. The method used by the author in preparing this report is to go directly to the field with technicians to overcome under-spec disturbances that occur at Indihome customers' homes. Based on the results of the analysis that has been done, under spec interference usually occurs because the cable is bent, the cable connection is damaged and too many, the cable is peeled off, and the SC connector is damaged.

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