

ABSTRACT

Avionic subsystem is the most important thing in a flight. Due to the avionic subsystem carries data in the form of data, video and audio. Along with expanding the word aviation both commercial aviation and military aviation. It takes a system and subsystem to transmit high data at high speed, so they invented a modeling fiber optic transmission to transmit data in the form of video and audio with large size. The modelling is applied using bus topology on fiber optic using simulation modelling of optisystem 7. With those model can reduce the transmission of data which disappear when making deliveries. Reduce bit error rate at the time of sending and receive data in the form of data, video and audio. Thus modelling of the avionics subsystem become faster and minimize damage to the data transmission.

Keywords: fiber optic, subsystem avionic, optisystem.