ABSTRACT

SDH (Synchronous Digital Hierarchy) is standard multiplex of telecommunications

network of optical being based on transmission synchronize with speed / beet of rate high

and use principle of TDM (Time Division Multiplexing) dividing frame into slot time

(Path/Channel). Different from system old ones, while PDH (Plesiochronous Digital

Hierarchy) laboring with tick pulse of maximum in each node (Switching Node) as standard.

SDH (Synchronous Digital Hierarchy) using pointer to mark early payload. Value of Pointer

influence tension phasa at final dot of network.

In transmission system there are peripheral of multiplexer it's function to for

merger some signal at one channel having a purpose same for this transmission referred as

with process of multiplexing. In course of information signal (PDH signal) have to pass some

step to form STM-1, that is to be the signal can in transmission by system of SDH.

Multiplexing in system of SDH need time duration 125 s for its process. Difficult him

in study and understanding of multiplexing in system of SDH, hence to easy in study and

understanding him can be done by using simulation.

Keyword: System Transmission, SDH, Multiplexing

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