Implementation of Generic Stream Encapsulation Protocol for IP Datagram Encapsulation over DVB-S2 Base-Band Frames

Abstract

Digital Video Broadcasting over Satellite, the 2nd generation (DVB-S2) standard allows a direct transmission of IP datagram using the Generic Stream Encapsulation Protocol replacing the existing transport Stream (MPEG-TS). The paper gives the description of the GSE Protocol for the transmission of IPV4 datagram and other network layer packets directly over DVB-S2 Generic Stream. The protocol specifies the Encapsulation format; fragmentation over DVB-S2 Base-Band frames and the mechanism to send the encapsulated stream to its destination.

References


7. gse encap dvd-t with simulation.pdf

Index Terms

Computer Science

Information Sciences

Keywords

GSE, DVB-S2, BBframe, MPEG-TS.