Secure and Reliable Cloud Networks for Smart Transportation Services

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***Abstract*— This paper has discussed about smart transportation services in cloud (Cloud-STS) for safety and convenience. STS provide driver centric board services in the cloud networks. STS composed of Vehicle to WiFi networks (VtoWiFi), Vehicle to Cloud Network (VtoCN), Vehicle to Vehicle (VtoV), and Cloud Network to service provider (CNtoSP). The idea is to utilize the (WiFi enabled) Smart Highways and 3Dcamera enabled dash board navigation device to enhance accident prevention / monitoring and control. Hence, in the event of accident, the video recorded using the collectors and the information about the location, specified by the GPS module are transferred to reliable cloud so that the concerned authorities can have a look at the evidence stored at same time and provide additional services to capture and share real-time accident/traffic footages.**

***Keyword*—** Cloud Computing, Networks Security, CCMP, Cloud Services, Transportation System

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