

CONGESTION CONTROL BY MODIFIED TCP TAHOE FOR WCDMA UMTS NETWORK

NEETU SHARMA¹ & VIJAY SINGH RATHORE²

¹Department of Computer Engineering, Gyanvihar University, Jaipur, Rajasthan, India

²Director, Shri Karni Group of Institutions, Jaipur, Rajasthan, India

ABSTRACT

Third generation of GSM technology (3GSM) has a Wideband-CDMA (W-CDMA) air interface. W-CDMA includes a shared high-speed channel for traffic from the base station to the mobile users. This research paper performs some modification in the Transmission Control Protocol's (TCP) Tahoe variant in UMTS Network. Modifications in TCP Tahoe perform by change the algorithm of the TCP Tahoe; it can perform better to wireless links, and also maintain its uses on the wired networks. This is very desirable feature because the conventional TCP in most cases implement for wired networks and the demand of wired networks is differ the wireless links of the network.

KEYWORDS: Universal Mobile Telecommunication System (UMTS), Transmission Control Protocol Tahoe (TCP Tahoe), TCP RENO, TCP NEW RENO, TCP SACK. & Operational Network Evaluation Tool (OPNET)