Abstract

In MANET (Mobile Adhoc Network) the physical connectivity of the network keeps on changing dynamically. Because of the several MANET constraints such as limited bandwidth, mobility, battery power etc; it becomes very important to design a protocol that suits the requirements for MANETS. In this paper, we suggest a protocol mechanism which is loosely based on a reactive
protocol AODV (Ad Hoc On demand Distance Vector Protocol). The proposed protocol uses the
time concept based on first come first served basis for path choosing process, hence the name
Time On Demand Distance Vector Protocol (TODV). The protocol design presented here suits
the MANETS dynamic topology perfectly in finding the best path or route for data
communication. The simulation study reveals that the proposed protocol outperforms than
existing AODV, in terms of throughput and end-to-end delay.

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**Index Terms**

Computer Science Wireless
**Key words**

Mobile ad hoc network  
protocol  
communication time