Node cooperation is the basic paradigm for efficient functioning of MANETs (Mobile Ad hoc Networks). A paradigm shift from this trait causes the nodes to misbehave thereby affecting the network performance. Selfishness to conserve own resources, Maliciousness to disrupt the network fabric or Malfunctioning may cause the nodes to misbehave. MANET characteristics
like dynamism of topology, shared wireless channels and open infrastructureless architecture 
pose security threats to them. This paper examines and analyzes two currently IETF listed 
reactive routing protocols AODV and DYMO with varying speed of node mobility and varying 
degree of maliciousness. The performance metrics Packet delivery ratio, Average End-to-end 
delay & Jitter and Normalized routing overhead are compared when a varying percentage of 
nodes drop packets.

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Index Terms
Key words

Mobile Ad hoc Networks  AODV  DYMO
Node misbehavior