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Efficient and Robust Token based DME Algorithm in MANET

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ABSTRACT

In Mobile Adhoc Network mutual exclusion is the important research area, here nodes are waiting for the critical resources. The mutual exclusion allows the mobile nodes to split the resources among each other. Formation of the quorum is needed in order to deliver the data with general intermediate nodes between each other. During the communication, for data transmission between quorum that will use an arbitrator that is common to both the regions. The main objective of an arbitrator is to grant permission to the incoming requests in order to enter into the Critical Section (CS) by forwarding incoming requests to the node that will consist of the token, which in turn will reduce the response time, Synchronization delay and message complexity.

Keywords: Critical Section, Mutual Exclusion, Synchronization