



Design goals of a MAC Protocol for Ad-hoc Wireless Networks:

- ☞ The operation of the protocol should be distributed.
- ☞ The protocol should provide QoS support for real-time traffic.
- ☞ The access delay, which refers to the average delay experienced by any packet to get transmitted, must be kept low.
- ☞ The available bandwidth must be utilized efficiently.
- ☞ The protocol should ensure fair allocation of bandwidth to nodes.
- ☞ Control overhead must be kept as low as possible.
- ☞ The protocol should minimize the effects of hidden and exposed terminal problems.
- ☞ The protocol must be scalable to large networks.
- ☞ It should have power control mechanisms.
- ☞ The protocol should have mechanisms for adaptive data rate control.
- ☞ It should try to use directional antennas.
- ☞ The protocol should provide synchronization among nodes.