

Responsive Use of the Mobile Ad Hoc Network (MANET) Routing Protocol OLSRv2

draft-dearlove-manet-olsrv2-responsive-03

Christopher Dearlove

christopher.dearlove@cantab.net

Summary of the draft

OLSRv2 is a proactive protocol, but with responsive features. In the limiting purely responsive case, there is a problem.

We must send an extra TC message when a router adds a new remote router to its Topology Information Base. Otherwise the new router will never learn about routers > 2 hops away.

Purely responsive use is not expected, but the extra message speeds convergence in partly responsive networks.

The extra message is allowed, optional, and fully backwardly compatible, including in a mixed with/without network.