IEEE P802.11
Wireless LANs

|  |
| --- |
| Mesh text for 802 O&A |
| Date: 2013-09-19 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Donald Eastlake 3rd  | Huawei Technologies | 155 Beaver Street, Milford, MA 01757 uSA | +1-508-333-2270 | d3e3e3@gmail.com |
|  |  |  |  |  |

Abstract

Suggested text for the 802 O&A document concerning 802.11 Mesh.

*Changes:*

The interconnections between 802.11 STAs follow three general models.

The second interconnection model …

*Addition at end:*

In the third interconnection model, 802.11 supports a mesh model consisting of autonomous STAs. Inside the mesh, STAs establish peer-to-peer wireless links with neighbor STAs to mutually exchange messages. Further, using mesh’s multi-hop capability, messages can be transferred between STAs that are not in direct communication with each other over a single instance of the wireless medium. From the data delivery point of view, it appears as if all STAs in a mesh are directly connected at the MAC layer even if the STAs are not within range of each other. A mesh might have interfaces to external networks and can be a Distribution System medium for the infrastructure model.