IEEE P802.11
Wireless LANs

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| LB183-Comment Resolution on CID 4059 |
| Date: 2011-08-31 |
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Abstract

This document proposes resoltions to CIDs 4059 on DBand Relay Operations from LB183 on Draft 4.0 of TGad.

# D4.0 DBand Relay Operations – CID 4059

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| 4059 | 6.3.92 | 95 | 1 | T | There is no requirement for the use of any of the MLME-RELAYxxx or MLME-RLSxxx primitives in any of the normative requirements text in this draft. | Either specify the relay management protocols in the normative text or delete all of the 6.3.92 subclause (the relay primitive definitions), since they aren't used. |

Proposed resolution: **AGREE IN PRINCIPLE**

Discussion: Rephrase the Clause 10.36 DBand Relay Operation in order to include MLME RELAY primitives.

In P444, L23~31,

Upon receiving an MLME-RELAYSearch.request primitive, the source DBand STA can discover a list of RDSs in the BSS by transmitting a Relay Search Request frame to the PCP/AP with the destination REDS AID field set to the AID of the destination DBand STA. The MLME of the PCP/AP receiving a Relay Search Request frame shall generate an MLME-RELAYSearch.indication primitive. Upon receiving an MLME-RELAYSearch.response primitive , the PCP/AP shall transmit a Relay Search Response frame addressed to the requesting STA, and shall include in the transmitted frame a list of RDSs in the BSS. The MLME of the source DBand STA receiving a Relay Search Response frame shall generate an MLME-RELAYSearch.confirm primitive. After the transmission of the Relay Search Response frame to the source DBand STA, the PCP/AP shall transmit an unsolicited Relay Search Response frame to the destination DBand STA with the Relay Capable STA Info field of the source DBand STA and the list of RDSs that the PCP/AP included in the last Relay Search Response frame transmitted to the source DBand STA.

In P445, L25~26

Following the selection of the RDS to be used between the source REDS and the destination REDS, the source REDS receiving an MLME-RLS.request primitive initiates the RLS procedure by sending an RLS Request frame to the selected RDS.

In P445, L32~35

The MLME of the destination REDS receiving a Relay Search Request frame shall generate an MLME-RLS.indication primitive. Upon receiving an MLME-RLS.response primitive the destination REDS shall transmit an RLS Response frame to the RDS with the destination status code field set to SUCCESS if the destination REDS is willing to participate in the RLS, and set to 37 (“The request has been declined”) if the destination REDS is not willing to participate in the RLS.

In P445, L41~44

The MLME of the source DBand STA receiving an RLS Response frame from the RDS shall generate an MLME-RLS.confirm primitive. Upon receving an RLS Response frame with the destination status code and relay status code fields set to SUCCESS, the source DBand STA may transmit an RLS Announcement frame to the PCP/AP to indicate that the RLS procedure was successfully completed. If either or both of the destination status code and relay status code fields are nonzero, the RLS procedure is unsuccessful.