IEEE P802.11
Wireless LANs

|  |
| --- |
| 802.11akGLK definition, Fig 4-13b & 4-13c |
| Date: 2016-07-11 |
| Author(s): |
| Name | Company | Address | Phone | Email |
| Philippe Klein | Broadcom Ltd | 5300 California Ave. Irvine, CA 92617 | +972 (54) 3134500 | philippe.klein@broadcom.com |

**Abstract**

This submission is a proposal of new Figure 4-13b and 4-13c.

History:

r0 – initial submission

r1 – new submission - remove option 1, use draft D1.5-06 as baseline, correct figures 4-13b & 4-13c

r2 – correct figures 4-13b & 4-13c and text in clauses 45.3.4 and 4.5.3.5

r3 - removed clauses 45.3.4 and 4.5.3.5 from this submission as these clauses will be rewritten – correct figures 4-13b & 4-13c based on inputs and discussion during the March 1 2016 meeting

r4- use draft D2.2 as baseline

r5- include inputs from the 06/13/2016 meeting: modify the GLK link proposed definition; replace MAC\_SAP with MS\_SAP (Media Dependent SAP) in the figures 4-13a, 4-13b and 4-13c

r6 - modify the GLK definition; add a wireless link definition

remove the  (GLK) DSAFs in fig 4-13;

add MAC\_SAP interfaces to the STAs as suggested during the Jun 20, 2016 meeting;

display a MS\_SAP per GLK link . In reality each GLK link creates a new element in the MS\_SAP but from the logical stand point it might be clearer to represent one SAP per GLK link (cf. 2 GLK links on upper edge of the AP in the middle of the fig 4-13c)

r7- remove the “point-to-point” attribute in the wireless link definition

 remove MAC-SAP in the figures and fix some SAP labeling typos

#### *Modify the GLK definition and add a wireless link definition in clause 3.2*

**general link (GLK):** a point to point connection between two IEEE Std 802.1Q ISS Service Access Points (ISS-SAPs) over a wireless link between stations (STAs) , suitable for use in an IEEE Std 802.1Q conformant network.

<Comment: IEEE Std 802.1Q: **Service Access Point (ISS-SAP):** An instance of the ISS.

**ISS**  Internal Sublayer Service (6.4 of IEEE Std 802.1D)>

**wireless link:** a **~~point to point~~** connection between two station Medium Specific Service Access Points (MS-SAPs) over the wireless medium.

<Comment: Medium Specific Service Access Points (MS-SAPs) to be referenced /specified outside the 802.11ak specification>

#### *Update figure 4-13a*



**Figure 4-13a—GLK IBSS or PBSS**

#### *Update fig 4-13b*



**Figure 4-13b - Infrastructure BSS with GLK links**

#### *Update fig 4-13c*

####



**Figure 4-13c—Example of ESS with GLK BSSs**