IEEE P802.11
Wireless LANs

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| 802.11bc LB255 – Comments 1014 and 1015 |
| Date: March 2, 2021 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Antonio de la Oliva | Interdigital Ltd |  |  | Antonio.delaoliva@interdigital.com |

Abstract: This submission tries to answer the comments 1014 and 1015 by introducing new text in Section 11.

**11.22.3.3 ANQP procedures**

**11.22.3.3.1 General**

***TGbc Editor: replace text from line 4 to 33 of page 56 of D1.02 with the following text.***

Enhanced Broadcast Services may be advertised using the Enhanced Broadcast Services ANQP-element (see 9.4.5.100). The element provides a list of zero or more enhanced broadcast services that are available from a peer STA. Each broadcast service advertisement ~~may~~ contains ~~the time and duration of transmission, together with~~ an identifier of the broadcast content, a content ID, and information on the request method used to negotiate the starting time of the content (Negotiation Method field), together with other information relevant to the broadcast service. Each broadcast service advertisement may also contain ~~the request method used to negotiate the starting time of the content (Request Method field),~~ the scheduled next transmission (Next Tx Schedule field), the time until the content will end its current transmission (Time To Termination field), the authentication algorithm the content uses (Content Authentication Algorithm field), the ~~destination~~ content address (and port for UDP over IP transport) used by the higher layer protocol of the EBCS traffic stream (Content Address Type and Content Address fields) and the title (Title field) of the service in a human readable form.

Regarding the content address, the EBCS DL carries typically IP multicast traffic. The IP multicast traffic is identified by the source IP address, the destination IP address (that is a multicast address) and the destination UDP port. EBCS can also be transported directly on top of layer 2, in this case MAC Address may be chosen as content address in the Content Address Type field.

STAs consuming the EBCS directly through the content address signaled in an Enhanced Broadcast Services ANQP-element may consider that the ANQP frame can be unsecured or unauthenticated and its content may be provided by a malicious user.

If the content is authenticated (nonzero values of the Content Authentication Algorithm field as defined in

Table 9-bcX) or requires negotiation (nonzero values of the Request Method field as defined in Table 9- bc3), the information provided by the Enhanced Broadcast Services ANQP-element is not enough to consume the service. The information on the authentication and negotiation method may be obtained in the next EBCS Info frame as indicated by the Content Authentication Algorithm field and in the Request Method field included in the EBCS Broadcast Services ANQP-element.

If the content follows the authentication scheme defined in 12.100.4 (No frame authentication with mandatory higher layer source authentication (HLSA)) as indicated by the Content Authentication Algorithm subfield equal to 0 as defined in Table 9-bcX, the information provided is enough to consume the content.the time and duration of transmission, together with an identifier of the broadcast service, a content ID, and other information relevant to the broadcast service.

A STA may use the Enhanced Broadcast Request ANQP-element to register (or de-register)request registration (or unregistration) from a peer STA transmitting an enhanced broadcast serviceEBCS traffic stream. This ANQP-element optionally allows the STA to provide the MAC address of the AP currently serving the EBCS traffic stream, which may not be the same as the one receiving the ANQP request.

Note – the requesting STA can be either an EBCS AP or an EBCS non-AP STA.