IEEE P802.11
Wireless LANs

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| Resolution of EPCS-Related CIDs for BSS Transition (LB271) |
| Date: March 2023 |
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 Abstract

This submission proposes resolutions for 6 comments submitted during TGbe LB271 that request a means of caching and transferring authority to use EPCS during BSS transitions.

CIDs: 18337, 15423, 15097, 16711, 18339, 18340

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Updated based on discussion during presentation

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGbe Draft. This introduction is not part of the adopted material.

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| **CID** | **Clause** | **Pg/Ln** | **Comment** | **Proposed Change** | **Resolution** |
| 18337 | 35.16.2 | 645.27 | STA may need to roam to other APs. There needs to be a procedure or an extenstion to an existing procedure (e.g., Fast BSS Transition) to transfer the EPCS authorization information and other EPCS parameters from current AP MLD to target AP MLD | Define a procedure or modify an existing procedure to enable transfer of EPCS related information from current AP MLD to target AP MLD | RejectedDue to lack of consensus on the proposed solution described in 802.11-23-0915r0. |
| 15097 | 35.16.2 | 646.23 | When an EPCS enabled STA performs handover between APs, EPCS services should be recovered as soon as possible. Fast BSS Transition (FT) procedure can be used to transfer the EPCS authorization information from current AP to target AP, in order to avoid requesting authorization from NSEP service provider via interworking procedures. | Add EPCS related (e.g., EPCS authorization) information into FT frames. | RejectedDue to lack of consensus on the proposed solution described in 802.11-23-0915r0. |
| 16711 | 35.16.2 | 646.45 | When an EHT STA or an MLD supporting EPCS (and authorized) moves from one BSS to another BSS within the same ESS when a fast BSS transition is used, it is important that the STA or an MLD receives the similar priority access in the target BSS. The fast BSS transition procedures for EPCS priority access is thus required. | As in comment | RejectedDue to lack of consensus on the proposed solution described in 802.11-23-0915r0. |
| 15423 | 35.16 | 645.51 | When an EPCS non-AP MLD performs a BSS transition, it is desirable that its authority to use EPCS transitions with it. In addition, it would be desirable to retain the state of EPCS priority access (e.g., enabled) across BSS transitions | Add a subclause to 35.16 that describes a mechanism to transfer the authority to use EPCS and the state of EPCS priority access during BSS transition. This could be built on the Fast Transition concept | RejectedDue to lack of consensus on the proposed solution described in 802.11-23-0915r0. |
| 18339 | 35.16.2.2 | 646.50 | The AP MLD should be able to cache authorization information locally for subsequent EPCS authorization during (re)association/BSS transition | as in the comment | RejectedDue to lack of consensus on the proposed solution described in 802.11-23-0915r0. |
| 18340 | 35.16.2.2 | 646.50 | The AP MLD should also be able to share cached authorization information with other APs that are a part of the network for EPCS authorization when a device undergoes BSS transition. | as in the comment | RejectedDue to lack of consensus on the proposed solution described in 802.11-23-0915r0. |