IEEE P802.11
Wireless LANs

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| Resolution of Definition-Related CIDs (SA Ballot) |
| Date: 2024-02-13 |
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Abstract

This submission proposes resolutions for 3 comments addressing the defintions that were submitted during initial SA ballot on P802.11be D5.0.

CIDs: 22234, 22235, 22326

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Updated based on comments during presentation
* Rev 2: Revised based on additional feedback. Marked Changes

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** |
| 22234 | 3.1 | 53.30 | There are a few issues with this new definition. "Amount of time" = "duration". Data connectivity is bi-directional (not just to the DS). According to the definition it is just the reduced duration that qualifies the transition as fast. However, a closer reading of the spec would indicate that it is the different messaging protocol that qualifies it as "fast". This should be captured in the definition. | Change the definition to "A type of BSS transition that uses a reduced transition messaging protocol to minimizes the duration for which data connectivity is lost between a non-AP STA or non-AP MLD and the DS." (expand acronyms as appropriate). You might be able to remove "between a non-AP STA or non-AP MLD and the DS" without loss of meaning. | **Revised**Agree in principle with comment. Note that FT more re-orders than reduces the protocol, so the phrase “uses a reduced transition messaging protocol to” is omitted.**TGbe editor please implement changes as shown in doc 11-24/0292r1 tagged as #22234** |
| 22235 | 3.1 | 53.24 | "Movement" is something that happens to physical things. Also, movement is not necessarily directed (e.g., atoms move). Article is missing. Definition is not consistent with "service set transition" (which still uses "change"). | Change "Movement of an association by a station" to "The transfer of an association by a station" (1st sentence). Change "The movement might" to "The transfer might" (2nd sentence). Change the definition of "service set transition" so that it reads "A transfer of association that is either..." | **Revised**Agree with comment. Implemented changes to BSS transition as suggested. **TGbe editor please implement changes as shown in doc 11-24/** **0292r2 tagged as #22235.** |
| 22326 | 3.1 | 53.26 | The description of "changing operating mode from STA to MLD" is confusing as STA or MLD is not an operating mode | Suggest to change "involve changing operating mode from STA to MLD" to "involve changing operating mode from non-MLO to MLO" | **Revised**Agree with comment. Implemented changes as suggested**TGbe editor please implement changes as shown in doc 11-24/0292r1 tagged as #22326.** |

Discussion

3. Definitions, acronyms, and abbreviations

3.1 Definitions

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**basic service set (BSS) transition:** [BSS transition] [#22235]The ~~transfer~~ change of association by a station (STA) or non-access-point (non-AP) multi-link device (MLD) from one BSS or AP MLD to another BSS or AP MLD in the same extended service set (ESS). The ~~transfer~~ change might involve ~~changing~~ modifying the operating mode from [#22326]non multi-link operation (non-MLO) to MLO or vice versa. See 4.5.3.2 (Mobility types).

**fast basic service set (BSS) transition:** [fast BSS transition, FT] A [#22234]type of BSS transition that minimizes the duration for which data connectivity is lost between the non-access-point (non-AP) station (STA) or non-AP multi-link device (MLD) and the distribution system (DS).

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TGbe Editor : No change is required to the following text:

**service set transition:** A change of association that is either a basic service set (BSS) transition or an extended service set (ESS) transition.