IEEE P802.11 Wireless LANs

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| LB 271 Resolution for CIDs related to R-TWT mainly in 35.8 and 35.8.1 |
| Date: Mar. 2023 |
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 Abstract (Master doc 1, 03/11/2023)

This submission proposes resolutions for following **19 CIDs** received for TGbe LB271:

16164, 15240, 15241, 15706, 15739, 15740, 15840, 15931, 16140, 16648,

18020, 16565, 15027, 16163, 16175, 17173, 17267, 18013, 18316

Revisions:

* Rev 0: Initial version of the document.

***TGbe editor: The baseline for this document is 11be D3.0 and REVme2.1***

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.

Editing instructions formatted like this are intended to be copied into the TGbe Draft (i.e., they are instructions to the 802.11 editor on how to merge the text with the baseline documents).

TGbe Editor: Editing instructions preceded by “TGbe Editor” are instructions to the TGbe editor to modify existing material in the TGbe draft. As a result of adopting the changes, the TGbe editor will execute the instructions rather than copy them to the TGbe Draft.

DCN: 11-23/0394:

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| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Clause** | **Pg/Ln** | **Comment** | **Proposed Change** | **Resolution** |
| 16164 | Charlie Pettersson | 35.8.2 | 618.01 | There currently exist no description for a STA that relies on R-TWT to deliver its latency sensitive data to move or inform of its agreement to another BSS when performing roaming. | Please clarify if a STA should be allowed to move an existing R-TWT agreement or negotiate an agreement before/during roaming from one BSS to another. | **Rejected**The comment fails to point out an issue. When a STA moves from one BSS to another, the STA is disassoc’d from the current BSS and all data sessions are torn down automatically unless specified otherwise, e.g. any BA agreement and TWT setup. Do note that a TWT element to include a TWT request/response in the assoc frames.  |
| 15240 | Akira Kishida | 35.8.2.1 | 618.03 | The definition of latency sensitive traffic is still undefined. If the traffic stream with R-TWT TID will be treated as latency sensitive traffic, it should be described in this subclause. | As in the comment. | **Revised**LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |
| 15241 | Akira Kishida | 35.8.2.1 | 618.03 | In order to refrain from treating all the traffic as latency sensitive traffic, any restrictions for treating latency sensitive traffic should be considered. Reffering Delay Bound in the QoS Characteristics element might be utilized for it. | As in the comment. | **Rejected**It’s already supported that AP/non-AP STA may use the SCS/QoS IE for traffic stream classification (mapping some traffic steam identified by a set of filters defined to a TID) and utilize any criteria in how they may want to serve them, including if to accept/reject/adjust an R-TWT schedule for that purpose. |
| 15706 | Yousi Lin | 35.8.2.1 | 618.03 | What is the latency sensitive traffic differentiation mechanism? | Please provide the details or remove this section. | **Revised**Agree in principle. LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |
| 15739 | KENGO NAGATA | 35.8.2.1 | 618.03 | "This subclause defines a mechanism that differentiates latency sensitive traffic from other types of traffic."A definition of "latency sensitive traffic" should be also clarified here. If latency sensitive traffic is equivalent to traffic with R-TWT ID assigned, such definition should be discribed in this subclause. | The same as commented. | **Revised**Agree in principle. LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |
| 15740 | KENGO NAGATA | 35.8.2.1 | 618.03 | "This subclause defines a mechanism that differentiates latency sensitive traffic from other types of traffic."Without any clear definition of latency sensitive traffic, any traffic could be prioritized according to the mechanism defined in this subclause. A definition or a condition should be defined to identify what kind of traffic may be treated as latency sensitive traffic, such as a Delay Bound in QoS Characteristics element in SCS Request frame is less than a threshold. | The same as commented. | **Rejected**It’s already supported that AP/non-AP STA may use the SCS/QoS IE for traffic stream classification (mapping some traffic steam identified by a set of filters defined to a TID) and utilize any criteria in how they may want to serve them, including if to accept/reject/adjust an R-TWT schedule for that purpose. |
| 15840 | Muhammad Kumail Haider | 35.8.2.1 | 618.03 | 35.8.2.1 is basically empty. The traffic differentiation is practically described in the setup procedure. | Remove this subclause and adjust the enumerate of rest subclause. | **Revised**Agree in principle. LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |
| 15931 | Zhou Lan | 35.8.2.1 | 618.03 | The subclause Latency sensitive traffic differentiation is empty. | this subsection is not needed and can be deleted. Enough information is available at 35.8.5 that this subclause is not needed | **Revised**Agree in principle. LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |
| 16140 | SunHee Baek | 35.8.2.1 | 618.03 | There is no mechanism to differentiate between latency sensitive traffic and general traffic. The Restricted Traffic Info subfield indicates the R-TWT TIDs during the R-TWT SP, which is enough to indicate latency sensitive traffic for R-TWT SP. | Please remove the section of 35.8.2.1 (Latency sensitive traffic differentiation). | **Revised**Agree in principle. LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |
| 16648 | Mohamed Abouelseoud | 35.8.2.1 | 618.03 | The subclause Latency sensitive traffic differentiation is empty. | this subsection is not needed and can be deleted. Enough information is available at 35.8.5 that this subclause is not needed | **Revised**Agree in principle. LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |
| 18020 | Duncan Ho | 35.8.2.1 | 618.03 | This section is incomplete. | Remove the section. | **Revised**Agree in principle. LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |
| 16565 | Arik Klein | 35.8.2.1 | 618.04 | Need to add a description of the mechanism that differentiates latency sensitive traffic from other traffic type | Please add a description for this mechanism or remove this subclause (and add a note that this mechanism is out of scope of the TGbe document) | **Revised**Agree in principle. LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |
| 15027 | Lei Wang | 35.8.2.1 | 618.06 | This is a re-submitted comment that was rejected due to lack of consensus for a proposed resolution in the previous letter ballot (LB266) on 11be/D2.0.Where is the definition of a mechanism that differentiates latency sensitive traffic from other types of traffic in this subclause? Is this subclause incomplete? | Please actually define the mechanism as stated in the current sentence of this subclause. | **Revised**Agree in principle. LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |
| 16163 | Charlie Pettersson | 35.8.2.1 | 618.06 | The description of the latency sensitive traffic differentiation mechanism is missing. | Add the definition of such a mechanism. | **Revised**Agree in principle. LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |
| 16175 | Rojan Chitrakar | 35.8.2.1 | 618.06 | This is probably added as a placeholder subclause. Either details should be added, else the subclause should be deleted. | Add details of how latency sensitive traffics are differentiated from other types of traffic, else the subclause should be deleted. | **Revised**Agree in principle. LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |
| 17173 | Dana Ciochina | 35.8.2.1 | 618.06 | "This subclause defines a mechanism that differentiates latency sensitive traffic from other types of traffic." There is no such mechanism defined | complete the description | **Revised**Agree in principle. LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |
| 17267 | Zinan Lin | 35.8.2.1 | 618.06 | What is the definition of latency sensitive traffic? | Please define the latency sensitive traffic. How is it different from other type of traffic? | **Revised**Agree in principle. LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |
| 18013 | Yusuke Asai | 35.8.2.1 | 618.06 | The term of "latency sensitive traffic" is unclear. | Please put additional information on the term. | **Revised**Agree in principle. LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |
| 18316 | Yusuke Tanaka | 35.8.2.1 | 618.06 | It is unclear whether this subclause describes how to differentiate latency sensitive traffic or introduction of successive subclauses. | If it is the former, this subclause should describe how to differentiate latency sensitive traffic, and if it is the latter, this subclause should describe only introduction of membership setup or should be removed. | **Revised**Agree in principle. LST is described in 4.5.6.3 (moved from 35.8 agreed by TG) and it’s also described that TIDs are used to identify LST for a specific R-TWT schedule (see P618L33-36). This subclause was intended as a placeholder. Since the identification is already described embedded in the setup procedure, remove this subclause.**TGbe editor: please revise as specified in this doc {11-23/0394r0} tagged by #15240.** |

## 35.8.1 R-TWT membership setup

***TGbe Editor: please delete the following text as shown in strike-through text****.*

(#xxxx) ~~35.8.2.1 Latency sensitive traffic differentiation~~

~~This subclause defines a mechanism that differentiates latency sensitive traffic from other types of traffic.~~

~~35.8.2.1 The setup procedure~~