
IEEE P802.11
Wireless LANs

LB272 CR for OST CIDs (11.55.1.1 Overview) – Part 2**Date:** 2023-07-10**Author(s):**

Name	Affiliation	Address	Phone	email
Stephan Sand	German Aerospace Center (DLR)			stephan.sand@ieee.org
Jonathan Segev	Intel Cooperation			jonathan.segev@intel.com

Abstract

This submission discusses resolutions to the following 9 CIDs from LB272 of TGbf D1.0.

The CID list is:

1059, 1063, 1065, 1345, 1705, 1788, 1908, 1964, 1965

Proposed changes in this document are with reference to TGbf D1.1.

Revisions:

- Rev 0: Initial version of the document
- Rev 1: Update based on changes from discussion from 11bf AM1 session 2023-07-10
 - Discussed CIDs: 1059, 1063, 1065, 1705, 1788, 1908, 1964, 1965
 - Revised CIDs: 1345

Proposed comment resolution

Presented and discussed, no open discussion points

Under discussion

CID	Cat	Page	Comment	Proposed Change	Resolution
1345	T	167.14	The sensing procedure described in this clause is loaded with overhead. Sensing session setup, measurement set up, measurement instance, reporting, termination, etc. It seems to me that the sensing procedure is similar to the sounding in VHT, HE, and EHT amendment which is simply NDPA -> NDP -> TF -> report. Why not having a light sensing procedure similar to the sounding process in previous amendments.	Allow the sensing process to start with an NDPA that includes a number of STA Info fields to identify participating STAs and the nature of collected measurements.	<p>Rejected</p> <p>The sensing procedure requires resource allocation. Therefore, capability negotiation, resource reservation and release are required. Capability negotiation is the result of a single protocol providing support for different implementations of Sensing STAs. Thus, capability negotiation is required.</p> <p>In addition, the proposed change for the use of NDPA as means of negotiation is problematic because the NDPA is an unprotected control frame. Since security is required, a management frame negotiation allows protection.</p> <p>Further, the spec text of the sensing procedure has been simplified and substantially revised based on CID resolutions e.g. in 23/0477r3 (https://mentor.ieee.org/802.11/dcn/23/11-23-0477-03-00bf-lb272-sensing-session.docx) and in 23/0511r3 (https://mentor.ieee.org/802.11/dcn/23/11-23-0511-03-00bf-proposed-resolutions-for-editorial-comments-on-d1-0-part-2.docx).</p>
1788	T	167.14	This paragraph is breaking the procedure up into phases. Improve the clarity here.	Change to "The sensing procedure comprises a setup phase, measurement phase and termination phase." Then describe each phase: "In the setup phase, a sensing session...", "During the measurement phase, a sensing initiator...", and "In the termination phase, ..."	<p>Revised</p> <p>In principle agree with comment. This and the subsequent paragraph have been substantially revised by CID resolutions in 23/0477r3 (https://mentor.ieee.org/802.11/dcn/23/11-23-0477-03-00bf-lb272-sensing-session.docx) and in 23/0511r3 (https://mentor.ieee.org/802.11/dcn/23/11-23-0511-03-00bf-proposed-resolutions-for-editorial-comments-on-d1-0-part-2.docx). Due to the resolutions, the clarity of the paragraph has been improved.</p>

1059	T	167.21	"operational parameters associated with sensing measurement instance(s) are set" may lead to the incorrect misinterpretation that sensing measurement instances may have different operational parameters.	Replace the sentence with "In the sensing measurement setup, a set of operational parameters that is used in one or more sensing measurement instances is defined."	Revised In principle agree with comment. The first two sentences have been substantially revised based on CID resolutions in 23/0511r3 (https://mentor.ieee.org/802.11/dcn/23/11-23-0511-03-00bf-proposed-resolutions-for-editorial-comments-on-d1-0-part-2.docx). Due to the resolutions, no further changes are required.
1063	T	167.42	"operational parameters associated with sensing measurement instance(s) are set" may lead to the incorrect misinterpretation that sensing measurement instances may have different operational parameters.	Replace the sentence with "As defined in 11.55.1.4 (Sensing measurement setup), the set of operational parameters defined in a sensing measurement setup is assigned a Measurement Setup ID."	Revised In principle agree with comment. The sentence has been substantially revised based on CID resolutions in 23/0477r3 (https://mentor.ieee.org/802.11/dcn/23/11-23-0477-03-00bf-lb272-sensing-session.docx). Due to the resolutions, no further changes are required.
1964	E	167.43	The sentence construction here implies that the measurement setup ID identifies the measurement instance rather than the measurement setup (as the name would imply). Using "(s)" to capture both the singular and plural in a pocedure like this is unnecessary. Make clear that there are potentially multiple sensing measurement instances and then use the singular when describing the sensing measurement instance. Only if something applies to all measurement instances do you need to use the plural and in that case you just need the pulral because the singular is a special case of the plural. In 802.11 we do not capitalize	Change to "The operational parameters for a sensing measurement instance are established with a sensing measurement setup as defined in 11.55.1.4. Multiple sets of operational parameters may be established between a sensing initiator and sensing responder by performing the sensing measurement setup more than once. Each set of operational parameters is identified by the measurement setup ID."	Revised In principle agree with comment. The paragraph has been substantially revised according to CID resolutions in 23/0477r3 (https://mentor.ieee.org/802.11/dcn/23/11-23-0477-03-00bf-lb272-sensing-session.docx) and in 23/0511r3 (https://mentor.ieee.org/802.11/dcn/23/11-23-0511-03-00bf-proposed-resolutions-for-editorial-comments-on-d1-0-part-2.docx). The name "Measurement Setup ID" has been revised to "Measurement Session ID" see resolutions in 23/0511r3. Note that "Measurment Session ID" is a subfield and hence should be capitalized according to Clause 2.6 of editorial style guide 23/1034r20.

			technical terms (like "Measurement Setup ID").		
1965	E	167.43 (correct 167.49)	Use the singlar with indefinite article for describing USID assignment	Change to "A USID is assigned to an unassociated STA during the sensing measurement setup exchange."	Revised Due to CID resolutions in 23/0477r3 (https://mentor.ieee.org/802.11/dcn/23/11-23-0477-03-00bf-lb272-sensing-session.docx), the sentence has been removed.
1065	E	167.49	Suggestion to improve writing	Replace the sentence with "The USID of an unassociated STA is assigned in the sensing measurement setup."	Revised Due to CID resolutions in 23/0477r3 (https://mentor.ieee.org/802.11/dcn/23/11-23-0477-03-00bf-lb272-sensing-session.docx), the sentence has been removed.
1705	T	167.49	Change the text "During a WLAN sensing procedure, an associated non-AP STA" to	During a WLAN sensing procedure coordinated by an AP, an associated non-AP STA"	Revised In principle agree with comment and changes due to CID resolutions in 23/0775r0 (https://mentor.ieee.org/802.11/dcn/23/11-23-0775-00-00bf-lb272-cr-for-ost-cids-11-55-1-1-overview.docx) need to be taken into account. TGbf Editor: Please add "initiated by an AP" after "sensing procedure" on P129L54.
1908	E	167.49 (correct PL 167.40)	The note sounds strange. That a STA can initiate sensing although it is neither participating nor is interested in the results.	Reading the note, it seems the initiator may choose to neither participate in the sensing nor obtain any sensing measurement reports. This seems to suggest that it is possible to initiate sensing without having no interest in the sensing results, which seems strange. Please clarify whether this behavior is allowed.	Revised In principle agree with comment. Due to CID resolutions in 23/0775r0 (https://mentor.ieee.org/802.11/dcn/23/11-23-0775-00-00bf-lb272-cr-for-ost-cids-11-55-1-1-overview.docx), the note has been clarified.

Straw Poll

Do you support the resolution of the following 9 CIDs and instruct TGbf editor to incorporate the changes into the latest TGbf draft: 1059, 1063, 1065, 1345, 1705, 1788, 1908, 1964, 1965?

Y/N/A