

IEEE P802.1AC/D2.0 MAC Service Specification Initial Sponsor ballot comments

Cl 03 SC 3.3 P 3 L 45 # i-25
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status R

Where is "MAC address" defined? Since ISO/OSI has no "MAC" definition, and IEEE Stds Dictionary has no "MAC address", it needs to be defined somewhere.

SuggestedRemedy

Include a definition of "MAC address" or "Individual MAC address". Also need to include a description of the relationship of the MSAP address to the MAC address.

Response Response Status C

REJECT. As noted in clause 8, bullet d) on page 12, the MAC address is defined in IEEE Std 802. That bullet also describes the relationship between the MAC address and the MSAP.

Cl 03 SC 3.3 P 3 L 45 # i-24
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A

Where is "MSAP address" defined? Since ISO/OSI has no "MAC" definition, and the IEEE Stds Dictionary has no "MSAP address", it needs to be defined somewhere.

SuggestedRemedy

Include a definition of "MSAP address" or "Individual MSAP address".

Response Response Status C

ACCEPT IN PRINCIPLE. The term "MSAP address" is not used in this standard. As part of the investigation of this comment, it was found that the ISO standards themselves are inconsistent. To align with current 802.1 usage:

Delete subclause 3.3 (as the definitions in it are superfluous) . Delete 3.1 €. Remove hyphens in 3.1 (d) and in expansion of MSAP in clause 4.

Cl 04 SC 4 P 4 L 16 # i-27
 Hunter, David WireFi Networks Inc.

Comment Type TR Comment Status A

"SAP" is not defined, yet is used in the draft text.

SuggestedRemedy

Insert "SAP Service access point"

Response Response Status C

ACCEPT.

Cl 04 SC 4 P 4 L 5 # i-26
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A

The draft text uses "EISS".

SuggestedRemedy

Make this definition (as well as the instances in the Abstracts in the front pages) consistent with the draft text usage.

Response Response Status C

ACCEPT IN PRINCIPLE. References to EISS have been removed from the draft.

Cl 07 SC 7.1 P 8 L 13 # i-28
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status R

Since "same" may be an adjective or noun, this phrasing is somewhat confusing.

SuggestedRemedy

Replace "same" with "same protocol".

Response Response Status C

REJECT. The language is clear.

Cl 07 SC 7.1 P 8 L 18 # i-29
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status R

This reference is to 'N', the letter, rather than N the referent of that letter.

SuggestedRemedy

Replace "N," with " 'N' ,".

Response Response Status C

REJECT. Usage in ISO 7498-3 does not include quotes.

IEEE P802.1AC/D2.0 MAC Service Specification Initial Sponsor ballot comments

Cl 07 SC 7.2 P 8 L 40 # i-30
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status R

This overly long sentence can be improved somewhat by a split.

SuggestedRemedy

Replace "frame, although this does not imply that they are" with "frame. Identification as components of a frame does not imply that these parameters are".

Response Response Status C

REJECT. This sentence seems reasonably clear and the proposed replacement text is considerably longer.

Cl 07 SC 7.2 P 8 L 51 # i-31
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A

"Similarly" is a side remark.

SuggestedRemedy

Add a comma after "Similarly".

Response Response Status C

ACCEPT.

Cl 07 SC 7.2 P 8 L 52 # i-33
 Hunter, David WireFi Networks Inc.

Comment Type TR Comment Status R

"These play no part in defining the peer-to-peer communication". If the primitives are correlated with the transmission/receipt of frames, then this statement is blatantly false. But this claim is unnecessary. In addition "do not conform to the reference model" is misleading: the model is open-ended so that primitives may be added to conforming implementations, but this statement makes it appear as if no additions are allowed.

SuggestedRemedy

Replace "These play no part in defining the peer-to-peer communication and do not conform to" with "These are not part of".

Response Response Status C

REJECT. Primitives are a feature of a model. The OSI reference model is explicit in its aim of using primitives and their parameters to capture the essentials of peer-to-peer communication and to omit local implementation-dependent aspects.

Cl 07 SC 7.2 P 8 L 52 # i-32
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A

In contrast to "peer-to-peer" here, page 16 uses the term "peer to peer". Which should it be.

SuggestedRemedy

Replace "peer-to-peer" with "peer to peer".

Response Response Status C

ACCEPT IN PRINCIPLE. Replace 'peer to peer' with 'peer-to-peer' on page 16, line 38.

Cl 07 SC 7.3 P 9 L 23 # i-34
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A

"LMI" is only defined in this location and used two lines below. It is better not to waste time introducing an acronym that is not more generally used.

SuggestedRemedy

Delete "(LMI)" and on line 25 replace "LMI" with "layer management interfaces".

Response Response Status C

ACCEPT IN PRINCIPLE. Delete "(LMI)" and replace "LMIs" with "layer management interfaces" on line 25.

IEEE P802.1AC/D2.0 MAC Service Specification Initial Sponsor ballot comments

CI 07 SC 7.4 P 10 L 14 # i-40
 Hunter, David WireFi Networks Inc.

Comment Type TR Comment Status R

This usage of "port" seems odd. For instance, in Figure 7-2 this definition would make the "port" consist of a link aggregation entity and two MAC entities, but no connection to the medium (since the port does not include a PHY). Yes, the text below mentions two ports in Figure 7-2, but this text says Figure 7-2 illustrates a single interface stack. There is an internal contradiction here. Second: what is a "port" that doesn't make it to the medium? Note that the interface stack shown in Figure 7-2 does not include a PHY, so presumably the interface stack is composed of just the Link Aggregation entity, the two MAC entities, and perhaps the two MSAPs -- but no PHY. This concept seems contrary to the definition of "port" in 802.1x. Third: this single port (Figure 7-2 illustrates a single interface stack and "port" refers to this single stack) that supports two connections to the medium (or perhaps those "LAN" references are to separate media). But what is a single port that has multiple LAN access points?

SuggestedRemedy

Either delete this definition of "port" or replace it with a definition that makes it clear that a port is a stack that reaches all the way to a medium, yet only reaches once to a medium. Presumably a port does include more than an interface stack that supports a single connection to a medium but does not include an interface stack that supports multiple connections to (perhaps multiple) media.

Response Response Status C

REJECT. This usage is consistent with that in IEEE Std 802 clause 6.2.1. The text seems clear and the use of "port" is entirely consistent with the way that that term is used in 802.1X-2010 and 802.1Q-2011.

CI 07 SC 7.4 P 10 L 3 # i-39
 Hunter, David WireFi Networks Inc.

Comment Type TR Comment Status R

The text below identifies 802.1AX link aggregation as a shim, so "SAP" in each of these locations must be the same.

SuggestedRemedy

For consistency with this document, change each "SAP" in this figure to "MSAP".

Response Response Status C

REJECT. The SAP in each location is the same, but it is a SAP and not an MSAP.

CI 07 SC 7.4 P 9 L 34 # i-35
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A

"An SAP": verbally is "SAP" always spelled out? The wireless throwbacks at least pronounce it as word.

SuggestedRemedy

Replace "An SAP" with "A SAP".

Response Response Status C

ACCEPT.

CI 07 SC 7.4 P 9 L 45 # i-36
 Hunter, David WireFi Networks Inc.

Comment Type TR Comment Status R

The example raises more questions than it answers. The text at least needs to describe what are the entities labeled in Fig 7-2 that are the components of the stack.

SuggestedRemedy

Describe which are the stack entities in Figure 7-2. Are the SAPs entities? Are the LANs stack entities? Is Link Aggregation really an entity, and not just a function that is in another (but not pictured) entity? Is this "interface stack" a single interface stack, or two interface stacks, for the two MSAP interfaces?

Response Response Status C

REJECT. The example in Figure 7-2 was deliberately chosen to illustrate these difficulties and the text following the figure addresses them.

CI 07 SC 7.4 P 9 L 50 # i-37
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A

It is unlikely that the OSI reference model envisages anything.

SuggestedRemedy

Replace "by" with "in".

Response Response Status C

ACCEPT.

IEEE P802.1AC/D2.0 MAC Service Specification Initial Sponsor ballot comments

CI 07 SC 7.4 P9 L 54 # i-38
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A

Confusing: is the exception convenient? And "mass" is ambiguous.

SuggestedRemedy

Separate the exception a bit more from the context by replacing "harm, except when duplication of network layer functionality is proposed, and is" with "harm (except when duplication of network layer functionality is proposed) and is". And replace "mass" with "large amount".

Response Response Status C

ACCEPT IN PRINCIPLE. Replace "harm, except when duplication of network layer functionality is proposed, and is" with "harm (except when duplication of network layer functionality is proposed) and is". This usage of "mass" is very well accepted.

CI 07 SC 7.5 P10 L 24 # i-42
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status R

The comma after "standards" separates the subject from its predicate.

SuggestedRemedy

Replace "standards," with "standards".

Response Response Status C

REJECT. A change here will be left to the IEEE editors.

CI 07 SC 7.5 P10 L 24 # i-41
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A

IEEE 802.11 is now 802.11-2012.

SuggestedRemedy

Replace "2007" with "2012".

Response Response Status C

ACCEPT IN PRINCIPLE. Remove the year as recommended in the cover letter and comment i-4.

CI 07 SC 7.5 P10 L 25 # i-43
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status R

"that media is" has a number problem -- "media" is plural.

SuggestedRemedy

Replace "that media is" with "those media are".

Response Response Status C

REJECT. Commentors are reminded that the text will be reviewed by professional editors prior to publication. Any change here will be left to the IEEE editors.

CI 07 SC 7.5 P10 L 37 # i-45
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status R

Unless absolutely necessary commas are discouraged between prepositional phrases and the main body of the sentence.

SuggestedRemedy

Delete the comma after "Bridge".

Response Response Status C

REJECT. Commentors are reminded that the text will be reviewed by professional editors prior to publication. Any change here will be left to the IEEE editors.

CI 07 SC 7.6 P10 L 36 # i-44
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A

This is the first use of "MSAP" in the draft text, so it should be defined.

SuggestedRemedy

Replace "MSAP" with "MAC Service-access-point (MSAP)".

Response Response Status C

ACCEPT IN PRINCIPLE. Replace "MSAP" with "MAC Service Access Point (MSAP)".

IEEE P802.1AC/D2.0 MAC Service Specification Initial Sponsor ballot comments

Cl 07 SC 7.7 P 10 L 48 # i-46
 Hunter, David WireFi Networks Inc.

Comment Type TR Comment Status R

What does "single" mean here? Single access to a single medium? So a Bridge is not a "LAN station"? As is shown in the text above, a "single entity" can provide more than one access to more than one medium and bridging functionality between any pair of such access locations.

SuggestedRemedy

Replace "a single media access method specific entity, operating" with "an entity that provides a single method-specific access to a single medium and operates". If that still is vague, then why not define a LAN station as "the pair of a single MAC and a single PHY"?

Response Response Status C

REJECT. A bridge is not a LAN station. The proposed text is not an improvement.

Cl 07 SC 7.8 P 11 L 17 # i-49
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A

Run-on sentence.

SuggestedRemedy

Replace "equipment, instead" with "equipment. Instead,".

Response Response Status C

ACCEPT.

Cl 07 SC 7.8 P 11 L 7 # i-47
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A

"a priori" is a technical term (referencing logical truths) that does not apply here. Likely "prior" is intended, but it is better not to limit the scope of "agreement" in this case.

SuggestedRemedy

Delete "a priori".

Response Response Status C

ACCEPT IN PRINCIPLE. Change "a priori" to "prior". It is intended to limit the agreement to prior agreement.

Cl 07 SC 7.8 P 11 L 8 # i-48
 Hunter, David WireFi Networks Inc.

Comment Type TR Comment Status R

"connectionless service composes a connectivity association" sounds like a contradiction in terms.

SuggestedRemedy

The text might replace "composes a connectivity association that is established" with "depends on a prior connectivity association that was established".

Response Response Status C

REJECT. Current text is correct.

Cl 08 SC 8 P 12 L 10 # i-51
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A

This is the first use of "QoS" in the draft text, so it should be defined.

SuggestedRemedy

Replace "QoS" with "Quality of Service (QoS)".

Response Response Status C

ACCEPT.

Cl 08 SC 8 P 12 L 13 # i-52
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A

The term is "user data" in the rest of the text (and standard English). If some definition is meant here, that needs to be spelled out -- and also the term "user-data" replaced with something that is more distinctive.

SuggestedRemedy

Replace "user-data" with "user data" throughout the draft text.

Response Response Status C

ACCEPT.

IEEE P802.1AC/D2.0 MAC Service Specification Initial Sponsor ballot comments

Cl 08 SC 8 P 12 L 5 # i-50
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A
 "utilised": need American English in an IEEE standard.

SuggestedRemedy
 Replace "utilised" with "utilized". In general, run an American English spellchecker over the text.

Response Response Status C
 ACCEPT IN PRINCIPLE. Replace with "used".

Cl 09 SC 9.1 P 13 L 13 # i-53
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status R
 "amongst" is deprecated in contemporary American English, and IEEE standards are written in contemporary American English.

SuggestedRemedy
 Replace "amongst" with "among".

Response Response Status C
 REJECT. Commentors are reminded that the text will be reviewed by professional editors prior to publication. Any change here will be left to the IEEE editors.

Cl 09 SC 9.2 P 13 L 54 # i-54
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A
 Need to complete the "e.g." aside.

SuggestedRemedy
 Replace "misordered" with "misordered,".

Response Response Status C
 ACCEPT.

Cl 10 SC 10.1 P 14 L 24 # i-55
 Hunter, David WireFi Networks Inc.

Comment Type TR Comment Status A
 "Transmit" is used consistently in the rest of the text to indicate the transmitter (as opposed to the receiver), except for the phrase "sending MAC service user".

SuggestedRemedy
 Unless there is some difference in meaning between "transmitting" and "sending" (in which case that difference would need to be specified), then replace "sending" with "transmitting" both here and on page 26 line 15.

Response Response Status C
 ACCEPT IN PRINCIPLE. Replace "sending" with "transmitting" in two places.

Cl 10 SC 10.1 P 14 L 25 # i-56
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status A
 "a priori": it is much clearer (with much less baggage) to say "prior".

SuggestedRemedy
 Replace "a priori" with "prior".

Response Response Status C
 ACCEPT.

Cl 11 SC 11 P 15 L 5 # i-57
 Hunter, David WireFi Networks Inc.

Comment Type ER Comment Status R
 Unless absolutely necessary commas are discouraged between prepositional phrases and the main body of the sentence.

SuggestedRemedy
 Delete the comma after "end-station" on line 5 and after "Bridge" on line 6.

Response Response Status C
 REJECT. Commentors are reminded that the text will be reviewed by professional editors prior to publication. Any change here will be left to the IEEE editors.

IEEE P802.1AC/D2.0 MAC Service Specification Initial Sponsor ballot comments

Cl 11 **SC 11.1** **P 16** **L 3** # **i-58**
 Hunter, David WireFi Networks Inc.

Comment Type **ER** **Comment Status** **A**

This appears to be the first use of "EISS" in the text, so it should be defined.

SuggestedRemedy
 Replace "EISS" with "Extended Internal Sublayer Service (EISS)".

Response **Response Status** **C**
 ACCEPT IN PRINCIPLE. All references to EISS are deleted.

Cl 11 **SC 11.1** **P 16** **L 38** # **i-61**
 Hunter, David WireFi Networks Inc.

Comment Type **TR** **Comment Status** **R**

Where is "peer to peer service" defined in this document?

SuggestedRemedy
 Define "peer to peer service".

Response **Response Status** **C**
 REJECT. See 7.1 for an explanation.

Cl 11 **SC 11.1** **P 16** **L 5** # **i-59**
 Hunter, David WireFi Networks Inc.

Comment Type **TR** **Comment Status** **R**

Why the requirement of "greater than zero"? Zero-length data payloads are useful in some MACs.

SuggestedRemedy
 Delete "greater than zero,".

Response **Response Status** **C**
 REJECT. IEEE 802.1 has not defined any uses for the ISS for which the transmission of zero-octet unit-data primitives are required. This limitation is the same as that in 15802-1.

Cl 11 **SC 11.1** **P 16** **L 7** # **i-60**
 Hunter, David WireFi Networks Inc.

Comment Type **TR** **Comment Status** **A**

There is no such thing as "a priori" data size. The term "a priori" is only accurate when applied to logical knowledge and at its loosest is limited to linguistic interrelationships known by a language's speakers.

SuggestedRemedy
 Replace "a priori knowledge." with "in the standard specifying the particular IEEE Std 802 technology."

Response **Response Status** **C**
 ACCEPT IN PRINCIPLE. Replace "a priori" with "prior".

Cl 12 **SC 12.1.1** **P 20** **L 53** # **i-62**
 Hunter, David WireFi Networks Inc.

Comment Type **ER** **Comment Status** **A**

Run-on sentence.

SuggestedRemedy
 On line 52 replace "The default" with "Though the default" and on line 53 insert a comma after "management".

Response **Response Status** **C**
 ACCEPT IN PRINCIPLE. Replace "0, it" with "0. This parameter".

Cl 12 **SC 12.1.1** **P 20** **L 53** # **i-63**
 Hunter, David WireFi Networks Inc.

Comment Type **TR** **Comment Status** **R**

What is "management" here? Is the intent to refer to the MSAP user? Otherwise "management" is ambiguous.

SuggestedRemedy
 Replace "management" with "the MSAP user", or whatever is the intent.

Response **Response Status** **C**
 REJECT. "Management" is a well-understood term in the context of IEEE 802.

IEEE P802.1AC/D2.0 MAC Service Specification Initial Sponsor ballot comments

Cl 12 SC 12.1.2 P 22 L 12 # i-65
 Hunter, David WireFi Networks Inc.
 Comment Type **TR** Comment Status **A**
 Ancient reference.
 SuggestedRemedy
 Replace "Clause 5" with "Clause 4".
 Response Response Status **C**
 ACCEPT.

Cl 12 SC 12.1.2 P 22 L 27 # i-68
 Hunter, David WireFi Networks Inc.
 Comment Type **TR** Comment Status **R**
 Ancient reference.
 SuggestedRemedy
 Replace "7.2.2" with "8.2.4.3.5".
 Response Response Status **C**
 REJECT. The table referred to is now in 8.3.2.1. See comment i-10.

Cl 12 SC 12.1.2 P 22 L 17 # i-66
 Hunter, David WireFi Networks Inc.
 Comment Type **TR** Comment Status **A**
 Ancient reference.
 SuggestedRemedy
 On both lines 17 and 20 replace "Clauses 6, 7, 9 and Annex C" with "Clauses 5, 8, 9 and Annex J". However, Annex J is only informative, is no longer maintained and is in the process of being deprecated, so for future proofing the CRC might want to remove that reference.
 Response Response Status **C**
 ACCEPT IN PRINCIPLE. On both lines 17 and 20 replace "Clauses 6, 7, 9 and Annex C" with "Clauses 5, 8 and 9".

Cl 12 SC 12.1.2 P 22 L 3 # i-64
 Hunter, David WireFi Networks Inc.
 Comment Type **TR** Comment Status **A**
 Wow -- 802.11-1999. Was that written in Greek, or was it as late as the Latin eon? References to that edition are so old no one remembers them.
 SuggestedRemedy
 Replace "1999" with "2012" and "Clause 7" with "Clause 8". On line 4 replace "11" with "10" (the "9" is OK). But if layer management is the topic, then the old 1999 clause 10 (2012 clause 6) specifies layer management, while the 1999 clause 11 (2012 clause 10) specifies the MLME. So might want to replace "and Clause 11 specifies" with "and Clauses 10 and 11 specify".
 Response Response Status **C**
 ACCEPT IN PRINCIPLE. DISCUSS. On page 22 line 4 replace "Clause 11" with "Clause 10".

Cl 12 SC 12.1.2 P 22 L 24 # i-67
 Hunter, David WireFi Networks Inc.
 Comment Type **TR** Comment Status **A**
 Ancient reference.
 SuggestedRemedy
 Replace "7.1.3.1" with "8.2.4.1.3".
 Response Response Status **C**
 ACCEPT.

Cl 12 SC 12.1.2 P 22 L 31 # i-69
 Hunter, David WireFi Networks Inc.
 Comment Type **TR** Comment Status **R**
 Ancient reference.
 SuggestedRemedy
 Replace "7.2.2" with "8.2.4.3.6".
 Response Response Status **C**
 REJECT. The table referred to is now in 8.3.2.1. See comment i-10.

IEEE P802.1AC/D2.0 MAC Service Specification Initial Sponsor ballot comments

Cl 12 *SC* 12.1.2 *P* 22 *L* 34 # i-70
Hunter, David WireFi Networks Inc.

Comment Type **TR** *Comment Status* **R**
Ancient reference.

SuggestedRemedy
Replace "7.1.3.5" with "8.2.4.7".

Response *Response Status* **C**
REJECT. See i-10.

Cl 12 *SC* 12.1.2 *P* 22 *L* 44 # i-72
Hunter, David WireFi Networks Inc.

Comment Type **TR** *Comment Status* **A**
Ancient reference.

SuggestedRemedy
Replace "7.1.3.6" with "8.2.4.8".

Response *Response Status* **C**
ACCEPT.

Cl 13 *SC* 13.1 *P* 26 *L* 7 # i-73
Hunter, David WireFi Networks Inc.

Comment Type **TR** *Comment Status* **R**
"can" here is not obviously a statement of capability rather than permission.

SuggestedRemedy
I expect that "may" is intended, so replace "can" with "may". Otherwise replace "can" with "might".

Response *Response Status* **C**
REJECT. This is a statement of capability.
