C/ 00 SC P139 L 40 # 7010 C/ 00 SC P143 L43 # 7006 Baiko, Gabor Nokia Baiko, Gabor Nokia Comment Type TR Comment Status X Comment Type TR Comment Status X the description of dot11APLCITable savs: ""This table represents location of the AP in The description of dot11APCivicLocationTable says: "This table represents location of the geospatial format, as described in RFC 3825." This is not a correct formulation, as AP in civic format as defined in IETF RFC-4776". A more accurate description would be: geospatial is not a format. A better formulation: "This table represents the geospacial "This table represents the location of the AP in civic format using the Civic Address Type elements defined in IETF RFC-4776". location of the AP in binary encoding as specified in RFC 3825bis". SugaestedRemedy SugaestedRemedy change as suggested. Change as suggested. Proposed Response Proposed Response Response Status O Response Status 0 Counter - Change to: Accept -"This table represents the geospatial location of the AP as specified in clause 7.3.2.22.9". CI 00 SC P143 L48 # 7008 Bajko, Gabor Nokia CI 00 SC P139 L **52** # 7011 Comment Type TR Comment Status X Baiko, Gabor Nokia The MAX-ACCESS for dot11APCivicLocationEntry is read-only. Change it to read-write. Comment Type TR Comment Status X SuggestedRemedy The MAX-ACCESS for dot11APLCIEntry is read-only. Change it to read-write. as suggested. SuggestedRemedy Proposed Response Response Status 0 as suggested. Accept -Proposed Response Response Status O Accept -C/ 00 SC P143 L 54 # 7007 Bajko, Gabor Nokia C/ 00 SC P139 1 52 # 7021 Comment Type TR Comment Status X Bajko, Gabor Nokia The description of dot11APCivicLocationEntry says: "AP location in Civic coordinates", Comment Type TR Comment Status X which is not accurate. Change it to: "Civic Address location of the AP described with Civic dot11LCI MIB variable has to be re-defined according to the new binary encoding for Address Type elements defined in IETF RFC-4776". GeoLocation. There is a document in IETF, which is not vet finalized, but the format is SuggestedRemedy clear. TGu should align with that before going to sponsor ballot. Also, there should be a new MIB variable defined for the GeoLocation of static elements, like APs, and that MIB Change as suggested. variable should only contain the geocoordinates, ie Altitude, Latitude and Altitude values (of Proposed Response Response Status O the point where the AP resides), without any uncertainty/accuracy estimates. Accept -SugaestedRemedy

Make the two proposed changes; add a new MIB variable, and modify the existing one.

Reject - TGu feels that this is now a maintenance issue and should be referred to IEEE

Response Status O

Proposed Response

802.11mb

CI 04 SC 4

P3 L48

4607

576

Ptasinski, Henry

Broadcom

Comment Type TR

Comment Status X

"802 .x LAN" is not consistent with IEEE Std. 802-2001.

SuggestedRemedy

Resolution to CID 362 from LB132 claims that "802.x LAN" is standard practice, but doesn't cite any references. A search through several other 802 standards (e.g. 802.3, 802.1X) was unable to find any other usage of the term "802.x", and a single instance of it in 802.11-2007 is insufficient to claim "standard practice".

Proposed Response

Response Status O

Reject - The TG is re-using terminology from the baseline document.

C/ **05** SC **5.2.10**

L 14

Ptasinski, Henry Broadcom

Comment Type TR

Comment Status X

"... the IEEE 802 .xLAN" seems to be restricting the Interworking Interface to using only portals connected to IEEE 802 LANs. The base standard uses IEEE 802 LAN as an example of a network to which a portal may be connected, but it does not place any restriction.

P**4**

SuggestedRemedy

If the restriction is necessary, make the restriction explicit and clarify the reasoning. Otherwise, remove the restriction.

Proposed Response

Response Status 0

Accept - See CID 483

C/ **05** SC **5.2.10**

P**5**

L14

4609

Ptasinski, Henry

Broadcom

Comment Type TR

Comment Status X

Paragraph is repetitive and difficult to parse.

SuggestedRemedy

Change to: "An interworking-capable AP can interact with external networks using a logical SSPN interface for the purpose of authenticating users and provisioning services, as shown in Figure 5-6a (IEEE 802.11 Interworking Infrastructure Architecture). The exchange of authentication and provisioning information between the SSPN and the AP passes transparently through the Portal. The protocol used to exchange this information is out of scope of this standard. The logical SSPN interface provides the means for an AP to consult an SSPN for authenticating and authorizing a specific non-AP STA in the preassociation (States 1 and 2) and post-association (State 3) and to report statistics and status information to the SSPN. Authentication and provisioning information for non-AP STAs received from the SSPN are stored in the AP's MIB and are used to limit layer 2 services provided to that non-AP STA. Detailed interactions describing the interworking interface are provided in 11.18."

Proposed Response

Response Status O

Counter - Change to: "An interworking-capable AP can interact with external networks using a logical SSPN interface for the purpose of authenticating users and provisioning services, as shown in Figure 5-6a (IEEE 802.11 Interworking Infrastructure Architecture). The exchange of authentication and provisioning information between the SSPN and the AP passes transparently through the Portal. The protocol used to exchange this information is out of scope of this standard. The logical SSPN interface provides the means for an AP to consult an SSPN for authenticating and authorizing a specific non-AP STA and to report statistics and status information to the SSPN. Authentication and provisioning information for non-AP STAs received from the SSPN are stored in the AP's MIB and are used to limit layer 2 services provided to that non-AP STA. Detailed interactions describing the interworking interface are provided in 11.18."

C/ **05** SC

SC 5.2.7

P**7**

L 62

4608

Ptasinski, Henry

Broadcom

Comment Type TR Comment Status X

"The MSGCF does not interact directly with the MLME SAP and PLME SAP, but is made aware of interactions ..." How is it "made aware of" these interactions?

SuggestedRemedy

Clarify. Perhaps "... but receives information via the MSGCF-SME_SAP regarding interactions ..."

Proposed Response Status O

Counter - Replace the sentence "The MSGCF does not interact directly with the MLME SAP and PLME SAP, but is made aware of interactions between the MLME and SME, and between the PLME and SME." with "The MSGCF observes the interactions between the MLME and SME. and between the PLME and SME."

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

CI **05** SC **5.2.7** Page 2 of 26 16/07/2009 21:17:14

Cl **05** SC **5.4.8** P**7** L **40** # 7220
Wang, Qi Broadcom Corporation

Comment Type TR Comment Status X

Is obtaining location information part of the 11u requirement for supporting Emergency Call (which is part of ES)? The text in V.4.2 b) 4) "If the STA can not determine it's own location by its own means, then Location information should be obtained from the network prior to imitating the emergency call request." Clarify the scope of 11u requirement for supporting Emergency call and the dependencies on other amendments, if any. Modify the feature description text here accordingly.

SuggestedRemedy

As in comment.

Proposed Response Status O

Counter - Change the text:

"The Interworking Service supports Emergency Services (ES) by providing: methods for unauthenticated users to access emergency services via the IEEE 802.11 infrastructure, advertising that emergency services are reachable and identifying that a traffic stream is used for emergency services."

to

"The Interworking Service supports Emergency Services (ES) by providing: methods for unauthenticated users to access emergency services via the IEEE 802.11 infrastructure, advertising that emergency services are supported (see 11.21.5) and reachable and identifying that a traffic stream is used for emergency services."

C/ **05** SC **5.7** P**6** L**15** # 578

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

Does the MSGCF communicate directly with MLME and PLME? Clause 21 doesnt' appear to define any indications that need to happen directly between the MLME or PLME and MSGCF.

SuggestedRemedy

Revise diagram to clarify that MSGCF does not directly communicate with MLME or PLME, and that MSGCF does not interfere with MLME_SAP or PLME_SAP communication to the SME.

Proposed Response Status O

Counter - See 11-08-1100r0. This point is clarified in 5.7.1

Cl 06 SC 6.2.1.1.4 P13 L9 # 6226

Vlantis, George STMicroelectronics

Comment Type TR Comment Status X

Throughout 6.2.1.1.4 and 6.2.1.2.4, occurrences of rate limiting are specified, where "The specific mechanism to perform rate limiting is outside the scope of the specification". One can imagine complex algorithms for dropping B-pictures and retaining I-pictures and P-pictures for AC_VI flows in video applications. Clearly, such an algorithm would be beyond the scope of the specification.

Conversely, when no knowledge of the application is known and the flow itself is "generic" (e.g AC_BE, AC_BG), there are a few obvious algorithms (e.g. leaky bucket), that could be given as examples. Minimally, the existence of an algorithm that "fits" the metrics defined in the specification should be given as an informative example, in the simplest case where no knowledge of the data or the application are known.

SuggestedRemedy

Provide an example or citation to an example that demonstrates that the procedures for the metrics related to rate limiting can be applied.

Proposed Response Response Status O

Reject - There are currently multiple rate limiting algorithms available, and implementations may choose to implement whichever fits better the purpose. Adding some of them as examples may create the false impression that there is a preference for those algorithms over the ones not mentioned.

Comment Type TR Comment Status X

This behavior only makes sense for QoS data frames.

SuggestedRemedy

Add appropriate subtype constraint to "frame of type data".

Proposed Response Response Status O

Counter - See CID #4087

Cl 06 SC 6.2.1.2.4 P14 L44 # 6225

Vlantis, George STMicroelectronics

Comment Type TR Comment Status X

The first paragraph of this subclause addresses rate limiting for multicast frames, and the following paragraphs of the subclause address rate limiting for unicast frames. While both methods state "The specific mechanism to perform rate limiting is outside the scope of the specification", there is a unexplained asymmetry as to why the unicast cases have specific mechanisms specified for the measurement of the frame and byte rate limiting (and even for all four access categories) along with MIB variable "knobs" to adjust the maximum authorized flows, whereas the multicast traffic is not similarly well-specified.

SuggestedRemedy

Either: (1) provide similar MIB variables for rate limiting of multicast traffic; or (2) clarify why the types of traffic are handled differently; of (3) eliminate the distinction between individually-addressed and multicast frames.

Proposed Response Status O

Accept - Resolution provided by submission 11-09-0627r0

C/ 06 SC 6.2.1.2.4 P8 L20 # 581

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

The phrase "has the QoS bit in the Capabilities element in the (Re)-Association request frame set to 0" references fields in a frame that is not part of the MA-UNITDATA.indication and is not likely to exist in the LLC when the MA-UNITDATA.indication is received.

SuggestedRemedy

State requirement in terms of information that's contained in the indication, or present in the LLC at the time the indication is received.

Proposed Response Status O

Accept - See 11-08-1152r1

C/ 06 SC 6.2.1.2.4 P8 L28 # 492

Kolze, Tom Broadcom

"aggregate datarate" is undefined.

SuggestedRemedy

Comment Type TR

Provide a precise description for the quantity being measured, and further, a method to perform the measurement.

Proposed Response Status O

Counter - The word "aggregate" has been removed. See 11-08-1152r1

Comment Status X

Cl 06 SC 6.2.1.2.4 P8 L28 # 582

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

"aggregate datarate" is not defined. "DATARATE" is defined in the base std as the PHY rate of an MPDU. It seems unlikely that the intent is to penalize STAs that send unicast frames with a high PHY DATARATE.

SuggestedRemedy

Provide a unique, well-defined term for the quantity that is being measured, and a technique to perform the measurement.

Proposed Response Status O

Counter - The word "aggregate" has been removed. See 11-08-1152r1

Cl 07 SC 7.2.3.8 P11 L58 # 850

Tolpin, Alexander Intel Corporation

Comment Type TR Comment Status X

The usage of GAS as action frames creates additional traffic and forces STA to implement additional redundant scanning flows. Make GAS requests also a part of Probe Request

SuggestedRemedy

Add Advertisement Protocol information element to Probe Request

Proposed Response Status O

Reject - This has been discussed in passed LBs (LB122 and LB107); TGu believes separate of function is the preferred method. Probe Request/Response is for active scanning and GAS Request/Response is for network selection--this is what we mean by separation of function.

Cl 07 SC 7.3.1.32 P14 L35 # 584

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

Is one octet sufficient for the ID? Can an AP have > 255 outstanding queries or is the number of outstanding queries limited elsewhere? If an AP has 255 outstanding queries, and a new query comes in, how does the AP respond? Can an outstanding query take long enough that the ID space will wrap?

SuggestedRemedy

Increase ID to 2 octets, or: 1) cap the number of outstanding queries; 2) define behavior when too many queries are received and 3) require that IDs for outstanding queries not get reused until the query completes.

Proposed Response Response Status O

Counter - GAS Query ID and multicast delivery method are deleted, see 11-08-1028r2

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ **07** SC **7.3.1.32** Page 4 of 26 16/07/2009 21:17:15

CI 07 SC 7.3.1.33 P14 L 59 # 585 CI 07 SC 7.3.1.7 P24 L17 # 7057 Ptasinski. Henry Broadcom Ecclesine. Peter Cisco Systems Comment Type TR Comment Status X Comment Type ER Comment Status X Fragment ID should have same semantics as Fragment Number and More Fragments Sponsor Ballot has to begin with an unchanged draft. Replace <ANA> with the correct fields in MAC header. numbers before the next recirculation ballor so 11u can request conditional approval to go to Sponsor Ballot. SuggestedRemedy SuggestedRemedy Initial GAS Fragment ID should be 0. Change "Last Fragment" to "More GAS Fragments" and only set the bit in fragments that are not the last or only one. Remove the EDITORIAL NOTES about ANA in order to be ready for Sponsor Ballot. Proposed Response Response Status O Proposed Response Response Status O Accept - See 11-08-1028r2 Accept - As suggested CI 07 P14 # 586 SC 7.3.1.33 L 60 P15 CI 07 SC 7.3.2 L 24 # 587 Ptasinski. Henry Broadcom Ptasinski, Henry Broadcom Comment Type TR Comment Status X Comment Type TR Comment Status X "(and thus the re-assembly order)" implies that an AP may send GAS Query Response Length of Interworking element does not match clause 7.3.2.59 fragments out of order. Clause 11.18.2.2.5, at least, does not explicitly require the SuggestedRemedy fragments to be transmitted in order. Correct the Length in the table. SuggestedRemedy Proposed Response Response Status O Require fragments to be transmitted in order. Accept - Change length in Table 7-26 to read "3 or 9" Proposed Response Response Status O Accept - Change the sentence in 11.18.2.2.5 beginning, "If the Query Response is." CI 07 SC 7.3.2 P17 L 30 # 4614 [P70L27] to "If the Query Response is a multi-fragment response (i.e., contains more than Ptasinski, Henry Broadcom 1 fragment), the AP shall transmit in order all fragments that belong to the same Query Response until all fragments are exhausted." Comment Type TR Comment Status X "5 to 11" should be "5 or 11' CI 07 SC 7.3.1.7 P12 L 45 # 583

SuggestedRemedy Correct.

Proposed Response

Accept - As per comment.

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

Reason code 48 specifically refers to "SSP cipher suite requirement", but no reason code is provided for SSP AKM requirements (e.g. RSN/WPA2 vs. WPA or some future AKM), TGw support, etc.

SuggestedRemedy

Redefine reason code 48 as "SSP security requirement".

Proposed Response Status O

Counter - See CID # 485.

Response Status O

Cl 07 SC 7.3.2 P19 L34 # 4615
Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

Where does the "default value" referenced in these sentences reside? "An AP sets the default value of Venue Group to Residen- tial and the default value of 802.11 Venue Type to unspecified. A non-AP STA sets the default value of Venue Group to unspecified and the default value of Venue Type to unspecified."

SuggestedRemedy

Delete the sentences, as they provide no useful information. Or define appropriate MIB variables for these fields, and set the default values of those MIB variables.

Proposed Response Status O

Accept - Removde the sentence.

See 11-08-1342/r0

Cl 07 SC 7.3.2.59 P17 L20 # 588
Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

"An AP sets the default value of Venue Group to Residential and the default value of Venue Type to unspecified." How is any other value ever set?

SuggestedRemedy

Define some mechanism for the AP to advertise other Venue Group and Venue Type values, or delete these fields from the IE.

Proposed Response Response Status O

Reject - It is up to the AP implementation as to how this is achieved.

Cl 07 SC 7.3.2.59 P17 L55 # 4616

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

"The value of the Length field is the length of the Interworking capabilities field." Nothing called the "Interworking capabilities field" is defined in this amendment.

SugaestedRemedy

Delete the sentence.

Proposed Response Response Status O

Counter - Change it to Interworking element fields

See 11-08-1343/r1

CI 07 SC 7.3.2.59 P17 L56 # 589

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

"A non-AP STA uses this field to indicate the desired HESSID in an active scan" but the length of this IE for a non-AP STA is specified as 1.

SuggestedRemedy

Fix the lengths. Specify what values a non-AP STA uses for the Venue Group and Venue Type fields when including the HESSID in an active scan.

Proposed Response Response Status 0

Counter - See CID 488

C/ 07 SC 7.3.2.59 P22 L2 # 4617

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

"HESSID Present bit in the Interworking capabilities field." Nothing called the "Interworking capabilities field" is defined in this amendment. No "HESSID Present bit" is defined in this amendment.

SuggestedRemedy

Define an HESSID Present bit in an existing field, and correct this reference.

Proposed Response Status O

Counter - See 11-08-1342r1

Cl 07 SC 7.3.2.60 P21 L21 # 591

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

"If the first octet of this field is the vendor specific Advertisement Protocol ID as provided in Table 7-43t, then this field contains the Vendor Specific information element defined in 7.3.2.26." The vendor specific IE can be 257 octets long. How is the Advertisement Protocol Tuple supposed to include one max size vendor specific IE let alone multiple?

SuggestedRemedy

Constrain the size of the VS IEs, or don't encapsulate the VS IEs in the APT IE, or use some other method for conveying VS protocol information.

Proposed Response Status O

Accept - Add the following sentence to the end of line 12: "When one or more vendorspecific elements are included in the Advertisment Protocol element, their total length needs to be constrained such that the total length of all the Advertisement Protocol Tuple fields is less than or equal to 255 octets."

CI 07 SC 7.3.2.60 P 21 L 54 # 652 Stanley, Dorothy Aruba Networks

The term "Native Query Protocol" is less than intuitive. Suggest renaming to "BSS Query Protocol" or "Local Interworking Query Protocol"

Comment Status X

Comment Status X

Comment Status X

SuggestedRemedy As in comment

Proposed Response

Comment Type TR

Response Status O Reject - The suggested names are not intuitive. The commenter is encouraged to bring further suggestions to TGu sessions for discussion.

CI 07 SC 7.3.2.65 P 27 L13 # 656

Stanley, Dorothy Aruba Networks

Re-format to include the optional fields as optional sub-elelements, as done in .11k for the 7.3.2 elements.

SuggestedRemedy

Comment Type TR

As in comment. Similarly for the other elements.

Proposed Response Response Status 0

Reject - This element is present in beacon and probe response frames so it needs to follow information element formatting.

CI 07 SC 7.3.2.83 P23 L36 # 7030

Samsung Electronics Chaplin, Clint

"A non-AP STA sets ASRA, ESC, UESA fields to 0 when including the interworking in the Probe request frame."

SuggestedRemedy

Comment Type

"A non-AP STA sets ASRA, ESC, UESA fields to 0 when including the interworking element in the Probe request frame."

Proposed Response Response Status O

Accept - As suggested

ER

CI 07 SC 7.3.2.84 P28 L 59 # 7031

Chaplin, Clint Samsung Electronics

Comment Type ER Comment Status X

"it's set"

SuggestedRemedy

"it is set"

Proposed Response Response Status O

Accept - As suggested

CI 07 P 29 L65 SC 7.3.2.84 # 7062 Mark IV Industries Malarky, Alastair

Comment Type ER Comment Status X

There is no such thing as a vendor specific element defined in 7.3.2.26; it is a vendor specific information element. It is recognised that this change was made in response to a comment in LB148 but this has created a new error.

SuggestedRemedy

Suggest change "The format of the Advertisement Protocol element when the Advertisement Protocol ID is equal to 221 follows the format of the vendor specific element in 7.3.2.26" to "When the Advertisement Protocol ID is equal to 221, the format of the Advertisement Protocol element follows the format of the vendor specific information element in 7.3.2.26."

Proposed Response Response Status O

Accept - As suggested

CI 07 SC 7.3.2.87 P32 L 44 # 7032 Chaplin, Clint Samsung Electronics

Comment Status X Comment Type ER

"is one-octet"

SuggestedRemedy

"is a one-octet"

Proposed Response Response Status 0

Accept - As suggested

CI 07 SC 7.3.2.87 P32 L51 # 7064

Malarky, Alastair Mark IV Industries

Comment Type ER Comment Status X

The text "The OI field is a defined in 7.3.21" is not complete and the reference is incorrect. Further unless P802.11pD7.0 is cited, the OI is undefined.

SuggestedRemedy

Change to "The OI field is defined in 7.3.1.21." Cite P802.11p-D7.0 on page 1 list of amendments.

Proposed Response Response Status O
Accept - Resolution provided in 11-09-0824r2

CI 07 SC 7.3.2.88 P41 L40 # 7221
Wang, Qi Broadcom Corporation

rvang, Qi Broadcom Corp

Replace "Emergency alert IE" with "Emergency alert identifier IE" to reflect the content of the IE accurately.

Comment Status X

SuggestedRemedy

As in comment.

Comment Type TR

Proposed Response Response Status O

Reject - The word "identifier" within the IE name is not necessary. The correct name would be "Emergency Alert Identifier Hash" IE, which seems a little verbose.

C/ 07 SC 7.3.3.7 P34 L37 # 4400

Kolze, Tom Broadcom

Comment Type TR Comment Status X

The text states, "The length of the information field (n) is 3 n the maximum MMPDU size". This is unclear.

SuggestedRemedy

Please make clear what the length of the information field is supposed to be.

Proposed Response Response Status O

Accept - See CID #4410.

C/ 07 SC 7.3.3.7 P34 L38 # 4401

Kolze, Tom Broadcom

Comment Type TR Comment Status X

The text states, "The length of the vendor-specific content is n-3 octets", which contradicts what Figure 7-95bh shows, which is 3 octets.

SuggestedRemedy

Please make clear what the length of the vendor-specific content field is supposed to be, and make all figures and text consistent.

Proposed Response Response Status **O**Accept - See CID #4410.

C/ **07** SC **7.3.4.1** P**34** L**1** # 7005
Bajko, Gabor Nokia

Comment Type TR Comment Status X

The AP Date, Time and Time Zone Native Query Element was removed. Part of the functionality was moved to TGv, part of the functionality was lost. What was moved to TGv was the timezone information, which ended up in the beacon. Since the time zone information is not something which is frequently needed, it is a bad idea to place it into the beacon, instead it should be available upon request. The functionality which was lost is the capability of communicating the local time of the AP to the requesting STA. The local time could be calculated from the UTC time, the timezone and the date, but the date info was lost. Besides, as we discussed in the meeting, it is not reasonable to expect the MAC layer to do all these calculations.

SuggestedRemedy

Put back the procedure which allowed for the STA to request the date, local time and timezone of the AP.

Proposed Response Status O

Counter - TGu believes that TGv has properly resolved this functionality

Cl 07 SC 7.3.4.10 P45 L31 # 7012

Bajko, Gabor Nokia

Comment Type TR Comment Status X

The first sentence of the paragraph says: "The AP Geospatial Location element provides the AP's location in LCI format". Actually the AP's location is a geospacial location in binary enoding. Replace the sentence with The AP Geospacial Location Element provides the AP's geolocation in binary encoding".

SuggestedRemedy

as suggested.

Proposed Response Status O

Reject - LCI format is already binary encoding, so that clarification is not necessary.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ **07** SC **7.3.4.10**

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Cl 07 SC 7.3.4.10 P45 L40 # 7013

Baiko, Gabor Nokia

Comment Type TR Comment Status X

Replace Location Configuration Report in Figure 7-95o137 with "AP geolocation" and delete the sentence "The format of the Location Configuration Report is provided in 7.3.2.22.9." below the figure.

SuggestedRemedy

as suggested.

Proposed Response Status O

Reject - The name of the element "Location Configuration Report" has been standardised within IEEE 802.11k-2008.

C/ 07 SC 7.3.4.10 P45 L48 # 7117

Roy, Richard SRA

Comment Type TR Comment Status X

Text reads: "The Length field is a 2-octet field and is equal to 18." Why take two octets to encode the integer 18?

SuggestedRemedy

Change to a one octet length field unless for some reason the digits 1 and 8 are being ASCII encoded. If that's the case, then so state and don't foget to specify the order of the characters

Proposed Response Status O

Reject - The 2-octet length field is used, as this is a common format for all native query protocol elements.

C/ **07** SC **7.3.4.10** P**45** L**52** # [7014]
Bajko, Gabor Nokia

Comment Type TR Comment Status X

What is the meaning of the sentence "There are no sub-elements present in the Location Configuration Report when it is used in the AP Geospatial Location element."? Since the query response should provide the AP's location instead of a report, this sentence should be deleted as well.

SuggestedRemedy

as suggested.

Proposed Response Status O

Counter - Change to:

"There is no Optional Subelements field present in the Location Configuration Report when it is used in the AP Geospatial Location element."

C/ 07 SC 7.3.4.11 P46 L10 # 7009

Bajko, Gabor Nokia

Comment Type TR Comment Status X

The first sentence of the paragraph says: "The AP Civic Location element provides the AP's location in civic format". The AP's civic location is configured in the MIB variable dot11APCivicLocationEntry. I.e., the response is not a civic location report, but it is the civic location value configured in the MIB (the response only contains the address of the AP, without any accuracy estimates).

SuggestedRemedy

Change in figure Figure 7-95o138 "Location Civic Report" to "AP civic Location".

Proposed Response Status O

Reject - The Location Civic report is in IE format defined in 11v. The values in the IE, are drawn from the MIB as desired by the commentor.

Cl 07 SC 7.3.4.12 P46 L33 # 7035

Chaplin, Clint Samsung Electronics

Comment Type **ER** Comment Status **X** "whose networks are accessible the AP."

SuggestedRemedy

"whose networks are accessible via the AP."

Proposed Response Status O

Accept - As suggested

Cl 07 SC 7.3.4.13 P47 L17 # 7070

Malarky, Alastair Mark IV Industries

Comment Type ER Comment Status X

"Alert URI" should be "Emergency Alert Server URI"

SuggestedRemedy

As per comment

Proposed Response Response Status O

Accept - As suggested

CI 07 SC 7.3.4.13 P47 **L8** # 7036 Chaplin, Clint Samsung Electronics

Comment Type ER Comment Status X

"7.3.4.13 Emergency Alert URI Information"

SuggestedRemedy

"7.3.4.13 Emergency Alert Server URI Information"

Proposed Response Response Status 0

Accept - As suggested

C/ 07 SC 7.3.4.3 P36 L 35 # 7109

Comment Status X

Roy, Richard SRA

TR

Text reads: "The Length is a 2-octet field whose value is equal to the number and size of the Emergency Call Number Units." How can a 2-octet field containing a single value (an integer) be equal to two things. the number of things and the size of things?

SuggestedRemedy

Comment Type

Since the information element is composed of Emergency Call Number Units, each of which has a length octet in the first position, perhaps what was meant is "The Length is a 2octet field whose value is equal to the number of the Emergency Call Number Units." which begs the question will there ever be more than 255 ECNUs? If not, then one octet should suffice perhaps. This same comment apllies elsewhere such as in 7.3.4.4, 7.3.4.8 ... the entire draft should be checked for similar problems.

Proposed Response Response Status O

Counter - Change the text:

"The Length is a 2-octet field whose value is equal to the number and size of the Emergency Call Number Units."

to

"The Length is a 2-octet field whose value is determined by the number and size of the Emergency Call Number Units."

CI 07 SC 7.3.4.3 P36 L 52 # 7110 SRA

Rov. Richard

Comment Type TR Comment Status X

Text reads: "The Length of Emergency Call Number is a one octet field whose value is determined by the size of the Emergency

Call Number field." but this doesn't tell the whole story. How is it determined? Is it 1 plus the length of the field, or just the length of the field for example.

SuggestedRemedy

Clarify here and in similar places throughout the draft where the same indeterminate language is used.

Proposed Response Response Status O

Counter - See CID 7109

CI 07 P38 L 51 # 7111 SC 7.3.4.5 Roy, Richard SRA

Comment Type TR Comment Status X

Text reads: "The Length is a 2-octet field whose value is dependant on the number and size of OIs present in the element." First, dependent is mispelled. Second, how is it dependent on the number and size?

SuggestedRemedy

Fix the typo and clarify. Note that OIs can be of different lengths, so there are two choices: the total length of the OI subfields that follow or the number of Ois present.

Proposed Response Response Status O Accept - Resolution provided in 11-09-0824r2

CI 07 SC 7.3.4.5 P38 L 54 # 7066 Malarky, Alastair Mark IV Industries

Comment Type ER Comment Status X

The text "The OI field is a defined in 7.3.2.12" is not complete and the reference is incorrect. Further unless P802.11pD7.0 is cited, the OI is undefined.

SuggestedRemedy

Change to "The OI field is defined in 7.3.1.21." Cite P802.11p-D7.0 on page 1 list of amendments.

Proposed Response Response Status O Accept - Resolution provided in 11-09-0824r2

CI 07 SC 7.3.4.5 P38 L 54 # 7033 CI 07 SC 7.3.4.7 P39 # 7068 Chaplin, Clint Samsung Electronics Malarky, Alastair Mark IV Industries Comment Type ER Comment Status X Comment Type Comment Status X "The OI field is a defined in 7.3.2.12" The Length field should be 1 octet in length and have the value of 2: The IP address should be length 2 octets. SuggestedRemedy SuggestedRemedy "The OI field is defined in 7.3.2.12" Fix figure 7-95o129 and sentence on line 54. Proposed Response Response Status O Proposed Response Response Status O Accept - As suggested Reject - See Section 7.3.4 fig 7-95o119 for the Native guery format C/ 07 P38 SC 7.3.4.6 # 7113 CI 07 SC 7.3.4.8 P42 L 50 # 7034 Roy, Richard SRA Chaplin, Clint Samsung Electronics Comment Type TR Comment Status X Comment Type ER Comment Status X The OUI field has been replaced elsewhere in the document with thte OI defined in 802.11pD7.0. Why not here? "is 1 octet" SuggestedRemedy SuggestedRemedy "is a 1-octet" Fix as appropriate. Proposed Response Proposed Response Response Status O Response Status O Accept - Resolution provided in 11-09-0824r2 Accept - As suggested P44 C/ 07 SC 7.3.4.6 P39 18 # 7067 Cl 07 SC 7.3.4.8 L 51 # 7069 Malarky, Alastair Mark IV Industries Malarky, Alastair Mark IV Industries Comment Type TR Comment Status X Comment Type TR Comment Status X Although the resolution to LB148 comment 6058 indicates accept, the resolution document Within the OUI identifier space, the IEEE-RAC have been issuing OUI based identifiers to and the text were not changed. Within the OUI identifier space, the IEEE-RAC have been organizations that are longer than 24-bits, specifically the IAB and OUI-36, such that issuing OUI based identifiers to organizations that are longer than 24-bits, specifically the multiple organizations share the same OUI value. If roaming consortium and/or SSPs are IAB and OUI-36, such that multiple organizations share the same OUI value. If roaming allocated 36-bit identifiers, then the Vendor-Specific Authentication Parameters cannot consortium and/or SSPs are allocated 36-bit identifiers, then the Native Query Protocol uniquely identify them to understand how to interpret the vendor specific content. vendor specific list cannot uniquely identify them to understand how to interpret the vendor SuggestedRemedy specific content. Replace OUI with OI. SuggestedRemedy Proposed Response Response Status 0 Make the same change to this that was implemented to Roaming Consortium List in 7.3.4.5

Proposed Response

Response Status O

Accept - Resolution provided in 11-09-0824r2

Accept - Resolution provided in 11-09-0824r2

Cl **07** SC **7.3.4.8** P**44** L**8** # 7116

Rov. Richard SRA

Comment Type TR Comment Status X

Vendor ID is given as 3 bytes. Nowhere in this draft or the base standard is "Vendor ID" defined. It is possible that what was meant was OUI. This presents another challenge since OUUI is generally being replaced by the OI found in 11pD7.0 clasue 7.3.1.21. However, the OI is a variable length identifier and not suitable for a fixed length field if uniqueness in that field is a requirement, and this may be the case for the security protocols beign referred to.

SuggestedRemedy

This issue needs careful thought and consideration before a solution can be crafted. Think about it and craft an appropriate change to the draft. Other places in the draft are likely to be affected by this issue. If so, fix them as well.

Proposed Response Status O

Counter - on P44L4, change the phrase "values for the Expanded EAP method are specified in RFC 3748."

to

"values for the Vendor ID and Vendor Type are specified in RFC 3748."

C/ 07 SC 7.4.7.1 P45 L23 # 6054
Kolze, Tom Broadcom

Comment Type TR Comment Status X

Table 5-57e Public Action Field Values, has four missing Action field values, as explained in the Editorial note.

SuggestedRemedy

allocate these four action field values

Proposed Response Status O

Reject - TGu agrees that these values are assigned by ANA prior to SB, once ExCom has approved SB.

Note: the Table reference within the comment is Table 7-57e

Cl 07 SC 7.4.7.10 P45 L47 # 6053

Kolze, Tom Broadcom

Comment Type TR Comment Status X

Generic advertisement Service (GAS) frames, such as the GAS Initial Request frame, are management frames, and in EDCA networks they are always sent at access category voice (AC_VO) without any admission control restrictions. The GAS protocol could involve transferring of a large number of frames, which will negatively impact data traffic performance.

SuggestedRemedy

Use mechanism for sending GAS protocol information at lower priority. This comment was Rejected in the previous ballot, with the following explanation:

Even though TGu agrees with the commenter, we have not found a reasonable method to resolve the comment and the commenter did not suggest a specific resolution. Some comments follow:

Public action frames are class 1 frames and thus can't use the 802.11v data encapsulation method (at least until STA is in associated state). While this method could be used to provide lower priority for GAS frames, the primary usage of GAS is intended to be when STA is in un-associated state, so this method would probably help that much in practice.

In previous 802.11 drafts, we included text which mandated GAS frames be transmitted at lower priority than AC_VO. However, this would apply to all public action frames and others in the 802.11 WG commented that other uses needed higher priority. Thus TGu removed this text from the amendment.

Because of these reasons, this comment is rejected.

--- --- ---

I am glad that TGu agrees with this comment. We are nearly on the same page and close to closing this issue. Clearly this is an important issue and avenues exist which can address this matter.

I believe there is a typo in the 2nd paragraph of the Rejection (3rd paragraph above), wherein it is stated that "...method would probably help that much in practice" is likely intended to be "...method would probably not help that much in practice." Still, this method would ameliorate some of the problem if it were used when the stations were in associated state. This should be considered, but the following paragraph in the Rejection holds even more promise for finding a solution. A solution where GAS frames could be separately classified from "all public action frames" --- especially those of the kind which "other commenters" felt in previous ballots needed higher priority --- should be investigated in earnest.

This commenter appreciates the attention given this issue, and if more solutions are not developed in this cycle, this commenter recommends that at least two solutions be voted --- the current draft state and the previous draft wherein GAS frames were transmitted at lower priority than AC_VO. I do further recommend that using the above-

mentioned 802.11v data encapsulation method for associated state be examined and (perhaps) included as a third option in the vote. Hopefully time and effort will provide yet another solution which will please everyone of us in TGu.

Proposed Response Status O

Reject - Neither the commentor or TGu has determined a viable method to transmit GAS frames between un-associated STAs at best effort priority. TGu invites the commentor to attend a future meeting with a submission to address this.

C/ 07 SC 7.4.7.10 P47 L26 # 5189

Ptasinski, Henry Broadcom

Since GAS protocol frames are management frames, in EDCA networks they are always sent at AC_VO without any admission control restrictions. Given that the GAS protocol could involve the transfer of a significant number of frames, this will significantly impact performance of data traffic.

SuggestedRemedy

Comment Type TR

Provide a mechanism for sending GAS protocol information at lower priority.

Comment Status X

Proposed Response Status O

Reject - See CID 5161

C/ 07 SC 7.4.7.10 P47 L26 # 5161

Kolze, Tom Broadcom

Comment Type TR Comment Status X

Generic advertisement Service (GAS) frames, such as the GAS Initial Request frame, are management frames, and in EDCA networks they are always sent at access category voice (AC_VO) without any admission control restrictions. The GAS protocol could involve transferring of a large number of frames, which will negatively impact data traffic performance.

SuggestedRemedy

Use mechanism for sending GAS protocol information at lower priority.

Proposed Response Response Status O

Reject - Even though TGu agrees with the commenter, we have not found a reasonable method to resolve the comment and the commenter did not suggest a specific resolution. Some comments follow:

Public action frames are class 1 frames and thus can't use the 802.11v data encapsulation method (at least until STA is in associated state). While this method could be used to provide lower priority for GAS frames, the primary usage of GAS is intended to be when STA is in un-associated state, so this method would probably help that much in practice.

In previous 802.11 drafts, we included text which mandated GAS frames be transmitted at lower priority than AC_VO. However, this would apply to all public action frames and others in the 802.11 WG commented that other uses needed higher priority. Thus TGu removed this text from the amendment.

Because of these reasons, this comment is rejected.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ **07** SC **7.4.7.10**

Page 13 of 26 16/07/2009 21:17:19 Comment Type TR Comment Status X

Generic advertisement Service (GAS) frames, such as the GAS Initial Request frame, are management frames, and in EDCA networks they are always sent at access category voice (AC_VO) without any admission control restrictions. The GAS protocol could involve transferring of a large number of frames, which will negatively impact data traffic performance.

SuggestedRemedy

Use mechanism for sending GAS protocol information at lower priority. This comment was Rejected in the previous two ballots, with the following explanation:

Even though TGu agrees with the commenter, we have not found a reasonable method to resolve the comment and the commenter did not suggest a specific resolution. Some comments follow:

Public action frames are class 1 frames and thus can't use the 802.11v data encapsulation method (at least until STA is in associated state). While this method could be used to provide lower priority for GAS frames, the primary usage of GAS is intended to be when STA is in un-associated state, so this method would probably help that much in practice.

In previous 802.11 drafts, we included text which mandated GAS frames be transmitted at lower priority than AC_VO. However, this would apply to all public action frames and others in the 802.11 WG commented that other uses needed higher priority. Thus TGu removed this text from the amendment.

Because of these reasons, this comment is rejected.

Then, in the previous ballot, there was NO explanation given, so I don't know why the responses are becoming LESS informative and the working group is putting LESS attention and effort into finding a substantive solution. The response to this very detailed comment was simply "attend a future meeting and make a submission." I will attend the next meeting, but THIS COMMENT IS MY SUBMISSION. That is how this process works. I hope the response isn't sarcasm or being flippant, but is simply misguided. It does not reflect recognition of the process and was probably written in a room with only a few participants, right? At the next meeting, those who are formulating the response should READ my solution(s) which are explained below, and take the votes which I identify in my "submission" below, and PLEASE REPORT in the comment resolution on the RESULTS of that vote --- the TOTAL NUMBER OF Y, N, and A. That will be much more respectful of the IEEE 802 longstanding process than simply trying to deny that I have in fact made serious recommendations for a solution. There is NO evidence in the response to MY COMMENT on the previous ballot that my comment was even read.

I am glad that TGu agrees with this comment. We are nearly on the same page and close to closing this issue. Clearly this is an important issue and avenues exist which can address this matter.

I believe there is a typo in the 2nd paragraph of the Rejection (3rd paragraph above), wherein it is stated that "...method would probably help that much in practice" is likely intended to be "...method would probably not help that much in practice." Still, this method would ameliorate some of the problem if it were used when the stations were in associated state. This should be considered, but the following paragraph in the Rejection holds even more promise for finding a solution. A solution where GAS frames could be separately classified from "all public action frames" --- especially those of the kind which "other commenters" felt in previous ballots needed higher priority --- should be investigated in earnest.

This commenter appreciates the attention given this issue, and if more solutions are not developed in this cycle, this commenter recommends that at least two solutions be voted --- the current draft state and the previous draft wherein GAS frames were transmitted at lower priority than AC_VO. I do further recommend that using the abovementioned 802.11v data encapsulation method for associated state be examined and (perhaps) included as a third option in the vote. Hopefully time and effort will provide yet another solution which will please everyone of us in TGu.

Proposed Response Status O

Reject - After further consideration, this comment is declined because it is out-of-scope of the TGu PAR; the following is extracted from TGu's PAR and is the scope of 802.11u: "The purpose of this document is to provide amendments to the IEEE 802.11 PHY/MAC layers which enable interworking with other networks. This includes both enhanced protocol exchanges across the air interface and provision of primitives to support required interactions with higher layers for interworking."

Prioritization of public action frames is a general 802.11 issue and not specific to interworking with external networks.

Note that although TGu choose public action frames for the transport of GAS frames, TGu did not create this action frame category and behavior (i.e., that it's a class 1 frame). PAFs were created by 802.11k amendment--TGu did not create the problem. Several amendments including 11k, 11n and 11y use public action frames as well, so we are not free to change the behavior of PAFs without creating problems for those amendments. Thus, this is a problem for the 802.11 WG to solve.

WNG has now passed a motion to ask the IEEE 802.11 WG to create a SG regarding the prioritization of management frames. This group would have the scope to properly address the problem.

Cl **07** SC **7.4.7.11** P**47** L**26** # 5190

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

Since GAS protocol frames are management frames, in EDCA networks they are always sent at AC_VO without any admission control restrictions. Given that the GAS protocol could involve the transfer of a significant number of frames, this will significantly impact performance of data traffic.

SuggestedRemedy

Provide a mechanism for sending GAS protocol information at lower priority.

Proposed Response Response Status **O**Reject - See CID 5161

C/ 07 SC 7.4.7.12 P47 L26 # 5191

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

Since GAS protocol frames are management frames, in EDCA networks they are always sent at AC_VO without any admission control restrictions. Given that the GAS protocol could involve the transfer of a significant number of frames, this will significantly impact performance of data traffic.

SuggestedRemedy

Provide a mechanism for sending GAS protocol information at lower priority.

Proposed Response Response Status O
Reject - See CID 5161

CI 07 SC 7.4.7.13 P47

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

Since GAS protocol frames are management frames, in EDCA networks they are always sent at AC_VO without any admission control restrictions. Given that the GAS protocol could involve the transfer of a significant number of frames, this will significantly impact performance of data traffic.

SuggestedRemedy

Provide a mechanism for sending GAS protocol information at lower priority.

Proposed Response Status O

SORT ORDER: Clause, Subclause, page, line

Reject - See CID 5161

C/ 08 SC 8.1.6 P55 L9 # 7020

Bajko, Gabor Nokia

Comment Type TR Comment Status X

This Emergency Service support for unauthenticated STAs in RSNA seems to be restricted to infrastructure mode. What about IBSS or WLAN-STAs in concurrent operation (P2P and infra)? Eg when a STA is associated with an AP, but participates in P2P networking as well, and wants to offer access for unauthenticated STAs for Emergency Service, it can not, because the current TGu spec is ambiguous, and assumes that the STA offering the service is an AP which has a 'network side'.

SuggestedRemedy

either delete this whole feature of allowing unauthenticated STAs to connect to RSNA, or define clearly how it should be implemented to work. There were suggestions in my previous LB comment.

Proposed Response Status O

Reject - P2P is not defined within IEEE 802.11 and is out of scope.

Emergency services are not possible in an IBSS, because an IBSS has no access to a DS and integration service is only defined to operate between a DS and a LAN. Therefore there is no way for an IBSS to communicate with a PSAP.

Cl 09 SC 9.2.7 P42 L12 # 493

Kolze, Tom Broadcom

Comment Type TR Comment Status X

Repeating normative behavior described in 6.2.1.2.4

SuggestedRemedy

Specify behavior in only one place. More suited to clause 11.

Proposed Response Response Status O

Counter - See CID 427

C/ **09** SC **9.2.7** P**46** L**13** # 4402 Kolze, Tom Broadcom

110,20, 10,11

The text states, in part, "When. is true, a group addressed frame is forwarded by an AP, it shall distribute the broadcast/group addressed message shall be distributed into the BSS only if . is set to true." The intent of this sentence is not clear.

Comment Status X

SuggestedRemedy

Comment Type

This sentence is not clear, and the intent of the sentence is not clear. The sentence needs to contain a clear instruction.

Proposed Response Response Status **O**Accept - See 11-08-1374/r0

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn

L 26

5192

CI **09** SC **9.2.7** Page 15 of 26 16/07/2009 21:17:20

Comment Type TR Comment Status X

New values: HESSID and Network Type" should be inserted at the end of the list, just before the vendor specific entry.

SuggestedRemedy

Change the editor instructions in line 36, and move the entries. Similarly in 10.3.10.1.2, 10.3.24.1.2.

Proposed Response Response Status O

Reject - There is no reason to move these values to the end of the list. MLME primitives are not implementation specific.

C/ 10 SC 10.3.24.2.2 P48 L42 # 148
Chaplin, Clint Samsung

Comment Type TR Comment Status X

"A TS is not created with this definition"

SuggestedRemedy

"A TS has not been set up with this definition"

Proposed Response Status O

Reject - The terminology "created" is part of the base standard (this was not added/modified by 802.11u-d3.0); if this change were made, then it would become inconsistent with other places in the base standard which uses the word "created".

C/ 11 SC 11.1.3.2.1 P59 L49 # 664

Stanley, Dorothy Aruba Networks

Comment Type TR Comment Status X

Delete list item (a) stentence referring to defailt or non-default SSID

SuggestedRemedy
As in comment

Proposed Response Response Status O

Counter - Delete the phrase "(whether or not the SSID is a default or non-default SSID)". See CID #805

C/ 11 SC 11.1.3.2.1 P59 L54 # 592

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

Probe response behavior requires HESSID to be present in Interworking IE, but Interworking IE definition does not require non-AP STA to include HESSID always.

SuggestedRemedy

Either require the HESSID to always be present (bloat) or fix probe response behavior to handle missing HESSID case.

Proposed Response Status O

Accept - Change the text to read "the HESSID field, if present in the Interworking element, is the wildcard HESSID or the HESSID of the STA" P59 L54

Comment Type ER Comment Status X

Sponsor Ballot has to begin with an unchanged draft. Fix this alignment before the next recirculation. Take this comment to also apply to any alignment with other amendments in 11u's baseline.

SuggestedRemedy

per comment

Proposed Response Response Status **O**

Accept - As suggested

Cl 11 SC 11.18.2 P65 L26 # 594

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

Unintelligible sentence: "The Advertisement Protocol identifies the query language used by the advertisement server, GAS, which is used to transport Queries and Query Responses is transparent to the Advertisement Protocol."

SuggestedRemedy

3 verbs seems excessive. Take out at least one and revise the punctuation.

Proposed Response Status O

Accept - Change the sentence "The Advertisement Protocol identifies the query language used by the advertisement server, GAS, which is used to transport Queries and Query Responses is transparent to the Advertisement Protocol." to "The Advertisement Protocol identifies the query language used by the advertisement server. The GAS protocol, which is used to transport Queries and Query Responses, is transparent to the Advertisement Protocol."

Cl 11 SC 11.18.2.1.1 P65 L65 # 595

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

If a STA in state 3 goes into power save, GAS queries will always fail if the value of dot11GasResponseTimeout is less than the wakeup interval (typically the DTIM interval, but possibly much longer especially if TGv sleep features are used).

SuggestedRemedy

Clarify the interaction between the timeout value and power save/sleep modes. Specify a lower limit on the timeout.

Proposed Response Response Status O

Reject - 8/26 teleconference: the GAS Initial Response action frame will typically be returned by the AP with minimum delay (as measured from receipt of the GAS Initial Request action frame). So the dot11GasResponse timer should not expire. That said, it is up to the SME or higher layers to manage the operation of the STAs timers/MIB so that the desired operation of GAS is obtained.

Cl 11 SC 11.18.2.2.3 P68 L47 # 596

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

GASTIM count and period are unnecessary. Multicast/broadcast GAS messages should be sent using the same rules as multicast/broadcast data. Use DTIM interval (and possibly FBMS) instead of defining a new interval which may have a significantly different period than DTIM.

SuggestedRemedy

As described in comment.

Proposed Response Status O

Counter - GASTIM element and multicast delivery method are deleted. See 11-08-1028r2.

Reordering of Query Response fragments is not explicitly prohibited.

Comment Status X

SuggestedRemedy

Comment Type

Change "the AP shall transmit all fragments that belong to the same Query Response until all fragments are exhausted" to "the AP shall transmit all fragments that belong to the same Query Response, in sequence according to their GAS Query Response Fragment ID field, until all fragments are exhausted."

Proposed Response Response Status O

Counter - Replace the existing definition of HESSID with the following: "3.u.5 Homogenous ESS Identifier (HESSID): The Identifier for A collection of BSSes, within the same extended service set (ESS), in which the SSPN or other external network reachable at one BSS, is reachable at all them. All BSSs identified by an HESSID are in the same mobility domain, if one is defined."

In clause 4, add the abbreviation HESSID with a definition of Homogeneous ESS Identifier.

Note that the definition of mobility domain is provided by IEEE 802.11r-2008.

Cl 11 SC 11.21.1 P73 L31 # 6099
Stanley, Dorothy Aruba Netowrks

Statiley, Dolothy Aluba Netowi

Comment Type TR Comment Status X

The difference between "native GAS" and "non-Native GAS" protocols is now more clearly defined. The names are still not quite there yet. What happens when a new protocol is invented, say the abracadabra protocol that wants to use the "STA-to_STA internal network protocol rather than the AP-STA external network protocol? But it is a protocol different from the "Native" protocol.

SuggestedRemedy

Change "Native GAS" to Local GAS and from "Non-Native GAS" to "External/Remote Network GAS"

Proposed Response Status O

Reject - Local GAS, as a name for the protocol, is confusing considering 7.3.4.3-Emergency Call Number Information-since that information is for an external network (i.e., is not local). C/ 11 SC 11.21.2.1.1.1 P84 L29 # 7015
Baiko, Gabor Nokia

Comment Type TR Comment Status X

The text says: "A STA in the associated state should retrieve geospatial location information from the AP using the procedures in 11.10.8 or 11.20.4; a STA in the associated state may retrieve an AP's geospatial location using Native GAS procedures in 11.21.2.1, but this is not recommended." A STA should use the Native GAS procedures to retrieve the AP's geospacial information, regardless of the state it is in. If it wants to retrieve measurements related to geospacial info, then it should use the procedures in 11.10.8. I did not find a 11.20.4 section anywhere. There is a difference between retrieving statically configured data vs retrieving measurement (dynamic) data. The draft should make this distinction.

SuggestedRemedy

remove the quoted sentence and change the may to should in the first sentence. The first sentence clearly states that what the STA can retrieve using Native GAS is the AP's geolocation, nothing else.

Proposed Response Response Status O

Counter - Change all references, within the TGu amendment, to "11.20.4" to "11.22.4".

Change the following sentence:

"A STA in non-associated state, having dot11InterworkingServiceEnabled set to true, may use Native-GAS procedures in 11.21.2.1 to retrieve an AP's Geospatial location. A STA in the associated state should retrieve geospatial location information from the AP using the procedures in 11.10.8 or 11.20.4; a STA in the associated state may retrieve an AP's geospatial location using Native GAS procedures in 11.21.2.1, but this is not recommended."

to

"A STA having dot11InterworkingServiceEnabled set to true, may retrieve an AP's Geospatial location using Native-GAS procedures in 11.21.2.1. A STA in the associated state should retrieve geospatial location information from the AP using the procedures in 11.10.8 or 11.22.4."

C/ 11 SC 11.21.2.1.1.1 P84 L31 # 7222
Wang, Qi Broadcom Corporation

Comment Type TR Comment Status X

"A STA in the associated state may retrieve an AP's geospatial location using Native GAS procedures in 11.2.1.2.1, but his not recommended." What are both methods (GAS and procedures in 11.10.8 or 11.20.4) needed when associated? Provide justifications; otherwise specify only one method (e.g., using procedures in 11.10.8 or 11.20.4) to be used.

SuggestedRemedy

As in comment.

Proposed Response Response Status O

Counter - See CID 7015

C/ 11 SC 11.21.2.1.1.2 P84 L39 # 7016
Baiko, Gabor Nokia

Comment Type TR Comment Status X

The text says: "A STA in the associated state should retrieve civic location information from the AP using the procedures in 11.20.4; a STA in the associated state may retrieve an AP's civic location using Native GAS procedures in 11.21.2.1, but this is not recommended." A section 11.20.4 could not be found. Regardless, the Native GAS procedures should be used to retrieve the AP's civic location, which is a statically configured data, not a measurement. There is a difference between retrieving statically configured data vs retrieving measurement (dynamic) data. The draft should make this distinction. Retrieving a civic location does not require retrieving any accuracy estimates with it.

SuggestedRemedy

remove the quoted sentence and change the may to should in the first sentence. The first sentence clearly states that what the STA can retrieve using Native GAS is the AP's civic location, nothing else.

Proposed Response Status O

Counter - Change the text:

"A STA in non-associated state, having dot11InterworkingServiceEnabled set to true, may use Native-GAS procedures in 11.21.2.1 to retrieve an AP's Civic location. A STA in the associated state should retrieve civic location information from the AP using the procedures in 11.20.4; a STA in the associated state may retrieve an AP's civic location using Native GAS procedures in 11.21.2.1, but this is not recommended."

to

"A STA having dot11InterworkingServiceEnabled set to true, may retrieve an AP's Civic location using Native-GAS procedures in 11.21.2.1. A STA in the associated state should retrieve Civic location information from the AP using the procedures in 11.10.8 or 11.22.4."

SC 11.21.2.1.1.2

C/ 11 SC 11.21.2.1.1.2 P84 L40 # 7223

Wang, Qi Broadcom Corporation

Comment Type TR Comment Status X

"A STA in the associated state may retrieve an AP's civic location using Native GAS procedures in 11.2.1.2.1, but his not recommended." What are both methods (GAS and procedures in 11.10.8 or 11.20.4) needed when associated? Provide justifications; otherwise specify only one method (e.g., using procedures in 11.10.8 or 11.20.4) to be used.

SuggestedRemedy

As in comment.

Proposed Response Response Status O

Counter - See CID 7016

C/ 11 SC 11.21.2.1.1.3 P84 L60 # 7141

Stanley, Dorothy Aruba Networks

Comment Type TR Comment Status X

"the EAP Method list shall be inpriority order" and "the EAP methods all be of equal priority" are in conflict

SuggestedRemedy

Fix this

Proposed Response Status O

Accept - See CID 7082.

C/ 11 SC 11.21.2.2.3 P89 L36 # 7143

Stanley, Dorothy Aruba Networks

Comment Type TR Comment Status X

"If a query response has not been received from the external network and PostReply Timer has not expired." leaves a long window potentially during which "the AP shall transmit a GAS Comeback action response" should this be "and the PostReplyTImer has expired"

SuggestedRemedy

Clarify

Proposed Response Status O

Counter - Change the phrase "If a query response has not been received from the external network and PostReplyTimer has not expired" to "If a query response has not been received from the external network and the PostReplyTimer has not expired".

The text stating the "PostReplyTimer has not expired" is correct. This bullet is to address the situation where the non-AP STA transmits a GAS Comeback Request action frame before the AP receives the query response from the server. This can happen, for example, if the PostReplyTimer is set to a larger value than the non-AP STA's dot11GASComebackDelay or if the non-AP STA transmits the GAS Comeback Request action frame prior to the expiry of the Comeback Delay provided in the GAS Initial Response action frame (i.e., a buggy implementation).

C/ 11 SC 11.21.3 P91 L13 # 7146

Stanley, Dorothy Aruba Networks

Comment Type TR Comment Status X

"AP bridging IP datagrams to and from the MIH PoS in an external network" This is probably accurate for an AP physical box, but not for the AP functionality itself. The AP moves data received from the STA to the DS. It then goes to the portal, then to an external network. See IEEE 802.11-2007 P 1174. Suggest changing to "AP moving IP datagrams destined for the MIH PoS to the DS."

SuggestedRemedy

As in comment

Proposed Response Status O

Accept - As per commentor

C/ 11 SC 11.21.3 P91 L22 # 7147
Stanley, Dorothy Aruba Networks

namey, bolomy Alaba Netv

SME and STA usage is mixed here. Suggest changing to "can use GAS Request frames to discover" and "using the GAS Request frame with the Advertisement."

Comment Status X

SuggestedRemedy

As in comment

Comment Type TR

Proposed Response Status O

Counter - Change the text:

"Non-AP STAs in the un-authenticated or un-associated or associated states can use MLME-GAS.request primitives to discover MIH Command and Event Services Capability as specified in Table 7-43bw. Non-AP STAs can discover whether the MIH PoS provides MIES and/or MICS using the MLME-GAS.request primitive with the Advertisement protocol set to the value of MIH Command and Event Services Capability Discovery in Table 7-43bw and the Query set to a MIES/MICS query as specified in IEEE 802.21-2008."

to

"Non-AP STAs in the un-authenticated or un-associated or associated states can use Non-Native GAS procedures to discover MIH Command and Event Services Capability as specified in Table 7-43bw."

C/ 11 SC 11.21.4.2 P92 L10 # 7148

Stanley, Dorothy Aruba Networks

Comment Type TR Comment Status X

"The PPNS may reject" Are we placing requirements on the SSPN? We should not. Change to "The SSPN can reject" here and throughout the document

SuggestedRemedy

As in comment

Proposed Response Status O

Accept - As per commentor

C/ 11 SC 11.21.4.3 P92 L29 # 7037

Chaplin, Clint Samsung Electronics

Comment Type ER Comment Status X

"At an AP with dot11SSPNInterfaceEnabled set to TRUE shall subsequent to a non-AP STA re-associating to a new AP, the DS shall move the dot11InterworkingTableEntry for that non-AP STA to the new AP." What? This sentence is confusing. It looks like it has more than one subject, and too many verbs.

SuggestedRemedy

Please rewrite the sentence so that it is clear.

Proposed Response Status O

Accept - As suggested

C/ 11 SC 11.21.4.3 P92 L29 # 7149
Stanley, Dorothy Aruba Networks

Comment Type TR Comment Status X

The sentence beginning "At an AP." is very confusing:

At an AP with dot11SSPNInterfaceEnabled set to TRUE shall subsequent to a non-AP STA re-associating to a new AP, the DS shall move the dot11InterworkingTableEntry for that non-AP STA to the new AP."

The DS does not move move MIB variables on its own accord. To a new AP in any ESS? The dot11InterworkingTableEntry for a non-AP STA shall be known to all APs in a homogeneous ESS. The means by which this is accomplished is beyond the scope of this standard." And delete the subsequent sentence about deleting it at the former AP.

SuggestedRemedy

As in comment

Proposed Response Response Status O

Counter - "At an AP with dot11SSPNInterfaceEnabled set to TRUE shall subsequent to a non-AP STA re-associating to a new AP, the DS shall move the dot11InterworkingTableEntry for that non-AP STA to the new AP. The method and protocol by which this is done, is beyond the scope of this standard. After the dot11InterworkingTableEntry is moved, it shall be deleted from the AP's dot11InterworkingTable. An AP with dot11SSPNInterfaceEnabled set to TRUE shall delete the dot11InterworkingEntry for a non-AP STA when it disassociates from the BSS."

to

"An AP having dot11SSPNInterfaceEnabled set to TRUE, the following procedure occurs:

(bullet) The non-AP STA's state contained within the dot11InterworkingEntry shall be transmitted to the new AP after a successful transition. The state definition and the protocol used to transfer the state are beyond the scope of this standard.

(bullet) After the state is succesfully transmitted to the new AP, the dot11InterworkingEntry for that non-AP STA shall be deleted from the AP's dot11InterworkingTable.

An AP with dot11SSPNInterfaceEnabled set to TRUE shall delete the dot11InterworkingEntry for a non-AP STA when it disassociates from the BSS."

C/ 11 SC 11.21.4.3 P92 L30 # 7038 Chaplin, Clint Samsung Electronics Comment Type ER Comment Status X "The method and protocol by which this is done, is beyond the scope of this standard." SuggestedRemedy "The method and protocol by which this is done is beyond the scope of this standard." Proposed Response Response Status O Accept - As suggested C/ 11 P92 SC 11.21.4.3 L44 # 7039 Chaplin, Clint Samsung Electronics Comment Type ER Comment Status X "with TID is set to 6 or 7," SuggestedRemedy "with TID set to 6 or 7," or "where TID is set to 6 or 7," Proposed Response Response Status O Accept - As suggested C/ 11 SC 11.21.4.3 P92 L 51 # 7040 Chaplin, Clint Samsung Electronics Comment Type ER Comment Status X "with TID is set to 4 or 5." SuggestedRemedy "with TID set to 4 or 5," or "where TID is set to 4 or 5," Proposed Response Response Status O Accept - As suggested SC 11.21.4.3 P92 L57 C/ 11 # 7041 Chaplin, Clint Samsung Electronics Comment Type ER Comment Status X "with TID is set to 0 or 3," SuggestedRemedy "with TID set to 0 or 3." or "where TID is set to 0 or 3." Proposed Response Response Status O Accept - As suggested

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 11 SC 11.21.4.3 Page 21 of 26 16/07/2009 21:17:21

Cl 11 SC 11.21.4.3 P92 L 64 # 7042

Chaplin, Clint Samsung Electronics

Comment Type ER Comment Status X

"with TID is set to 1 or 2,"

SuggestedRemedy

"with TID set to 1 or 2," or "where TID is set to 1 or 2,"

Proposed Response Response Status O

Accept - As suggested

Cl 11 SC 11.21.4.3 P93 L4 # 7043

Chaplin, Clint Samsung Electronics

Comment Type ER Comment Status X

"with access policy is HCCA or HEMM and deny all subsequent ADDTS request frames with access policy is set to HCCA or HEMM." Two problems

SuggestedRemedy

"with access policy of HCCA or HEMM and deny all subsequent ADDTS request frames with access policy set to HCCA or HEMM."

Proposed Response Response Status O
Accept - As suggested

Comment Type TR Comment Status X

". when the ES CIVIC location or ES Geo Location field in the Extended Capabilities Element is et to 1." In LB150 (TGv_D6.0) comment resolution, it is proposed to rename the two fields to "CIVIC location" and "Geo Location", respectively. TGu should synchronize with TGv on the names of the two fields.

SuggestedRemedy

As in comment.

Proposed Response Response Status O

Accept - Per commenter. TGu Editor should confirm TGv names prior to committing this edit.

Cl 11 SC 11.21.5 P93 L18 # [7150

Stanley, Dorothy Aruba Networks

Comment Type TR Comment Status X

Change from

"If the AP is located in a regulatory domain that requires location capabilities, the ESC field set to 1 indicates that location capability is enabled on the AP. Location capability is enabled when the ES CIVIC Location or ES Geo Location field in the Extended Capabilities Element is set to 1 in a Beacon or probe response frame."

to

Te ESC field set to 1 indicates that either the CIVIC Location or Geo Location field in the Extended Capabilities Element is set to 1 in a Beacon or Probe Response frame."

SuggestedRemedy

As in comment

Proposed Response Status O

Counter - Change the text:

"If the AP is located in a regulatory domain that requires location capabilities, the ESC field set to 1 indicates that location capability is enabled on the AP. Location capability is enabled when the ES CIVIC Location or ES Geo Location field in the Extended Capabilities Element is set to 1 in a Beacon or probe response frame."

to

"If the AP is located in a regulatory domain that requires location capabilities, the ESC field shall only be set to 1 if location capability is enabled on the AP. Location capability is enabled when the ES CIVIC Location or ES Geo Location field in the Extended Capabilities Element is set to 1 in a Beacon or probe response frame."

Cl 11 SC 11.21.5 P93 L18 # 7073

Malarky, Alastair Mark IV Industries

Comment Type TR Comment Status X

This references "ES CIVIC Location or ES Geo Location field in the Extended Capabilities Element", however these are not listed in Table 7-35a.

SuggestedRemedy

Put the fields into the Extended Capability element.

Proposed Response Status O

Reject - These references are present in Table 7-35a of the IEEE P802.11v-D6.01 amendment.

7225

C/ 11 SC 11.21.5 P93 L19 # 7044 Chaplin, Clint Samsung Electronics Comment Type ER Comment Status X "probe response" SuggestedRemedy "Probe Response" Proposed Response Response Status O Accept - As suggested C/ 11 SC 11.21.6 P93 L19 # 7018 Bajko, Gabor Nokia

The paragraph assumes that all non-AP STAs have a browser they can use to retrieve an EAS message from a given URI. There are a number of problems: 1. in order to retrieve a message using http, the STA needs to have an IP address. 2. The STA needs to have its DNS Name Server configured, in order to resolve the EAS URI to an IP address. 3. A STA has a browser. 4. The STA has its browser running. Point 1 is easy to achieve, but should not be required. Point 2 is harder to achieve, it requires the STA to invoke some bootstrapping like DHCP to configure that, it should not be required. 3. A digital camera with WLAN interface does not have a browser, but may be able to display a message received in the link layer. Since an EAS message should be downloadable in state-1, when there is no IP address, DNS name server, etc., the URI thing should only be in addition to the possibility to fetch the message using link layer procedures. like Native GAS.

Comment Status X

SuggestedRemedy

Comment Type

change as proposed.

Proposed Response Status O

TR

Reject - RFC 2616 states that http only needs a reliable transport protocol (e.g. GAS). It is not required to run over an IP protocol stack.

C/ 11 SC 11.21.6 P93 L50 # 7224

Wang, Qi Broadcom Corporation

Comment Type TR Comment Status X

Is EAS support, along with Emergency call support, a type of ES support? If so, move 11.21.6 to be a subclause of 11.21.5. Clarify the relationship between ES, EAS, and Emergency calls, etc.

SuggestedRemedy

As in comment.

Proposed Response Status O

Reject - TGu believes that the two services are different. Emergency services are requested by an end-user and specific to that user whereas EAS is a push broadcast service from the network

Cl 11 SC 11.21.6 P93 L53 # 7151

Stanley, Dorothy Aruba Networks

Comment Type TR Comment Status X

Change from

The Emergency Alert System (EAS) provides alerts, typically issued by authorities, to be transmitted upon request from APs to non-AP STAs.

To

The Emergency Alert System (EAS) provides alerts, typically issued by authorities. The Interworking Procedures EAS support enables the alerts to be transmitted upon request from APs to non-AP STAs.

SuggestedRemedy

As in comment

Proposed Response Response Status O

Accept - Per commenter.

C/ 11 SC 11.21.6 P94 L1 # 7045

Chaplin, Clint Samsung Electronics

Comment Type ER Comment Status X

"Probe response"

SuggestedRemedy

"Probe Response"

Proposed Response Status O

Accept - As suggested

C/ 11 SC 11.21.6 P94 L 12 # 7047 Chaplin, Clint Samsung Electronics Comment Type ER Comment Status X "Probe response" SuggestedRemedy "Probe Response" Proposed Response Response Status O Accept - As suggested C/ 11 P94 L2 SC 11.21.6 # 7046 Chaplin, Clint Samsung Electronics Comment Type ER Comment Status X "Probe response" SuggestedRemedy "Probe Response" Proposed Response Response Status O Accept - As suggested C/ 11 SC 11.21.6 P94 L2 # 7152 Stanley, Dorothy Aruba Networks Comment Type TR Comment Status X

Descriptionis too implementation specific. Change from

The Emergency Alert element provides to the non-AP STA an Alert Identifier Hash value of the alert, which is a unique indicator of the EAS Message. This Alert Identifier Hash value allows the non-AP STA to determine whether this is a new alert which it has not downloaded before, by comparing this hash with the current hash (or list of previously received hashes) which it has cached in its local memory.

The Emergency Alert element provides an Alert Identifier Hash value, a unique indicator of the EAS Message of the alert to the non-AP STA. The Alert Identifier Hash value allows the non-AP STA to determine whether this is a new alert."

SuggestedRemedy

As in comment

Proposed Response Response Status O

Accept - Per commenter.

C/ 11 SC 11.21.7 P95 L11 # 7153

Stanley, Dorothy Aruba Networks

Comment Type TR Comment Status X

There is no mechanism defined for the AP to have its SME send a primitive. Change from

Whenever the AP detects a change in the QoS mapping information, it shall update the non-AP STA with the new QoS Map Set element. It accomplishes this update by having its SME send an MLME-QoSMap.response primitive.

When the AP's SME detects a change in the QoS mapping information, it shall update the non-AP STA with the new QoS Map Set element. It accomplishes this update invoking the MLME-QoSMap, response primitive.

SuggestedRemedy

As in comment

Proposed Response Response Status O

Counter - Accept but correct the wording and change to

"When the AP's SME detects a change in the QoS mapping information, it shall update the non-AP STA with the new QoS Map Set element. It accomplishes this update by invoking the MLME-QoSMap.response primitive."

C/ 11 SC 11.7.1.2 P81 L43 # 7217 Vlantis, George STMicroelectronics

Comment Type TR Comment Status X

Several issues with this clause:

- (1) Why is dot11SSPNInterfaceEnabled set to TRUE and additional condition for disabling DSS? What is the reason/motivation here.
- (2) What happens to other communications between two non-AP STAs in the BSS? For example:
- (a) Traditional frames sent to the AP with DS bits set to zero and the destination address of a non-AP STA in the BSS; and
- (b) 802.11z TDLS communications. (Granted, it's a future standard that need not be referred to here, but some guidance should be given as to why DLS "breaks" 802.11u.)

SuggestedRemedy

Clarify what is the reasoning of this additional clause and whether other mechanisms (e.g. (2)(a) in the comment) are allowed/disallowed or have no impact whatsoever.

Proposed Response Response Status O

Counter - See resolution to CID #7050.

Cl 21 SC 21.3.1.1.2 P77 L63 # 4618
Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

"The HESSID is encoded as described in RFC 3580" is unclear. RFC 3580 doesn't include anything about HESSID, and doesn't seem to provide any significant encoding information other than a couple of cases where it says simply "is encoded as an ascii string."

SuggestedRemedy

Clarify the encoding to be used. Delete RFC reference.

Proposed Response Status O

Accept - See CID 4570

C/ Annex SC Annex A P133 L33 # 7056

Ecclesine, Peter Cisco Systems

Comment Type ER Comment Status X

802.11z uses CF17, and is shown as Amendment 6, so 11u should be using CF18 throughout Annex A.

SuggestedRemedy

Change all Annex A references from CF17 to CF18, and remove the nonsense EDITORIAL NOTE.

/ 64

597

Proposed Response Response Status O
Accept - As suggested

C/ Annex SC Annex D P139

Ptasinski, Henry Broadcom

Comment Type TR Comment Status X

No limits are specified for dot11GasResponseTimeout. Units are inconsistent with other timeouts.

SuggestedRemedy

Specify max, min, and default values for this variable. Make units for all GAS-related timeouts consistent, or at least from the same domain (don't mix msec and TUs).

Proposed Response Status O

Accept - P139L65: replace "INTEGER" with "INTEGER (1000..65535)"

P140L7: replace "ms" with "TUs"

Insert after P140L7 the following: DEFVAL(5000)

C/ Annex SC Annex D P143 L7 # 7055

Ecclesine, Peter Cisco Systems

Comment Type ER Comment Status X

dot11InterworkingEntry OBJECT-TYPE is the first of many lines that are not the correct font for Annex D MIBs

SuggestedRemedy

Fix the fonts in Annex D

Proposed Response Status O

Accept - As suggested

CI V SC V.1.5 P171 L27 # 7048

Chaplin, Clint Samsung Electronics

Comment Type ER Comment Status X

"A traveller arrives to their new destination and switches on the his/her gadgets with WLAN interface it intends to use (phone, multimedia device, digital camera, video camera, etc.)." Did anybody review this sentence after the change was made? Just to note that the change had been put in the wrong place? Anybody? Beuller?

SuggestedRemedy

"A traveller arrives to their new destination and switches on his/her gadgets with WLAN interface he/she intends to use (phone, multimedia device, digital camera, video camera, etc.)."

Proposed Response Response Status O

Accept - As suggested

CI V SC V.2.1 P172 L20 # 7060

Engwer, Darwin Self

Comment Type TR Comment Status X

The text of this paragraph (and the accompaning figure) confuses the 802.11 AP (a logical entity) with a physical device containing an AP, or one or more APs.

SuggestedRemedy

Change "the same physical AP" to "the same device, containing multiple APs,". Enhance the figure to show STA3 directly ajoining *two* logical APs, AP1 and AP2. Additionally, revise the figure to show the two co-located APs connecting to a DS. The DS should have three portals, one for DN1, one for DN2, and one for the AAA Client (since the AAA Client seems to be on its own network and not DN1 or DN2).

Proposed Response Response Status O

Counter - Resolution provided in 11-09-0878r0

CI V	SC V.2.1	P 17 2	2 L 25	#	7059
Engwer, Darwin		Self			

Comment Type TR Comment Status X

Figure V-1 incorrectly shows an AP as a device. The AP is a logical entitip within 802.11. The AP cannot connect directly to the two DN entities. Such connections must pass through a DS and a portal to be valid data paths, e.g., otherwise how will the appropriate integration function be applied? Similarly the AAA client cannot connect directly to the AP, it must connect to one of two DNs, or to a separate, third portal not connected to either DN.

SuggestedRemedy

Correct the figure to show the required logical entities needed to establish the desired data paths. Recommendation: Connect the AP to a DS with three portals, two of the the portals in turn connecting to one of the two DNs, and the third portal connecting to the AAA client.

Proposed Response Response Status O

Counter - Resolution provided in 11-09-0878r0

CI V SC V.4.1 P179 L38 # 7049

Chaplin, Clint Samsung Electronics

Comment Type ER Comment Status X

"Supporting emergency services, such as E911, calling" Anybody awake over there?

SuggestedRemedy

"Supporting emergency services, such as E911 calling,"

Proposed Response Status O

Accept - As suggested