IEEE P802.11  
Wireless LANs

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| Resolutions for some comments on 11me/D4.0 (initial SA ballot) | | | | |
| Date: 2023-10-12 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Mark RISON | Samsung Cambridge Solution Centre | SJH, CB4 0DS, U.K. | +44 1223 434600 | at samsung (a global commercial entity) I'm the letter emme then dot rison |

Abstract

This submission proposes resolutions for various CIDs on 11me/D4.0. Green indicates material agreed to in the group, yellow material to be discussed, red material rejected by the group and cyan material not to be overlooked. The “Final”/“No Markup” view should be selected in Word (this means Word comments can be disregarded by the Editor).

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| --- | --- | --- |
| Identifiers | Comment | Proposed change |
| CID 6401  Mark RISON | "assumes" -- the standard should not assume, it should require | Make the changes highlighted in red under CIDs 1397/1398/1794 in 22/0353r10 |

Discussion:

As it says in the comment. However, there are concerns about “shall”s for entities that are not specified by 802.11.

Proposed changes:

Make the changes indicated at the following locations:

171.32: In this document, the word *shall* is used to indicate a mandatory requirement. The word *should* is used to indicate a recommendation. The word *may* is used to indicate a permissible action. The word *can* is used for statements of possibility and capability. The words *need(s) to* are used to indicate a requirement on an entity outside the scope of this standard.

342.16: In order for the MAC to operate properly, ~~this standard assumes that~~ the DS needs to meet~~s~~ the MSDU (“object”) reordering requirements of IEEE Std 802.1AC-2012 [B17].

2630.51: In an infrastructure BSS, the Interworking element contains signaling for HeSSs(M12). The HESSID is a (#2047)MAC address that identifies the HeSS(M12). The HESSID value shall be the universal MAC address of one of the APs(#1347) in the HeSS(M12) and all BSSs in the HeSS use the same value. Thus, it is a globally unique identifier that, in conjunction with the SSID, may be used to provide network identification for an SSPN.

NOTE 1—T~~his standard assumes that t~~he HESSID field in the Interworking element ~~is~~needs to be administered ~~consistently~~to have the same value across all BSSs in an HeSS(M12).

2663.22: NOTE—~~This standard assumes that all APs in an ESS are configured consistently for QMF service~~ All APs in an ESS need to have the same QMF settings when GQMF has been enabled for use by associated non-AP STAs.

2884.10: When the IEEE 802.1X authentication completes successfully, ~~the standard assumes that~~ the STA’s IEEE 802.1X Supplicant and the IEEE 802.1X AS share a secret, called a PMK.

2900.44: The PMK-R1s are generated by the R0KH and are ~~assumed to be~~ delivered by ~~from~~ the R0KH to the R1KHs within the same mobility domain.

2900.50: ~~It is assumed by this standard that t~~The PSK is specific to a single S0KH and a single R0KH.

2901.39: The distribution of keys from the R0KH to the R1KHs is outside the scope of this standard. ~~It is assumed that t~~The PMK-R1s are distributed from the R0KH to the R1KHs following the requirements specified in 13.2.2 (Authenticator key holders).

2975.48: Each R0KH-ID and R1KH-ID is ~~assumed to be~~ expressed as a unique identifier within the mobility domain.

2976.24: The R0KH and the R1KH ~~are assumed to~~ have a secure channel between them that can be used to exchange cryptographic keys without exposure to any intermediate parties. The cryptographic strength of the secure channel between the R0KH and R1KH ~~is assumed~~needs to be greater than or equal to the cryptographic strength of the channels for which the keys are used. T~~his standard assumes that t~~he key transfer includes the PMK-R1, the PMK-R1 PMKSA, the PMK-R1 context, and the associated key authorizations.

2976.33: The PMK-R1 distribution from the R0KH to the R1KHs within the same mobility domain shall satisfy the following ~~assumptions~~:

2976.45: The S0KH and S1KH ~~are entities that are assumed to~~ ~~physically~~ reside in the Supplicant.

2977.23: NOTE—~~It is assumed by this standard that t~~The Fast BSS Transition Policy bits in the MDE ~~are administered consistently~~need to be the same across the mobility domain.

Proposed resolution:

REVISED

Make the changes shown under “Proposed changes” for CID 6401 in <this document URL>, which address the locations identified in the comment, using “needs to” for entities not specified by 802.11.

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| --- | --- | --- |
| Identifiers | Comment | Proposed change |
| CID xxx  Mark RISON |  |  |

Discussion:

Proposed changes:

Proposed resolution:

REVISED

Make the changes shown under “Proposed changes” for CID xxx in <this document URL>, which xxx

**References:**

802.11me/D4.0 except where otherwise specified

**References:**