IEEE 802.11
Draft MAC PICS Proforma

Simon Black　　　　Symbionics Networks Ltd
Chris Zeglin　　　　Symbol Technologies Inc
Johnny Zweig　　　　Xircom Inc
Carolyn Heide　　　　Spectrix Corp.
Tom Baumgartner　　　Spectrix Corp
Tom Tsoulogiannis
Bob O'Hara　　　　Advanced Micro Devices

Support for MAC Functions

Item	Protocol Feature	References	Status	Value	Support
1 *	Is implementation an Access Point ?		O		Yes ❑ No ❑
2 *	Is implementation a Station ?		O		Yes ❑ No ❑
3 *	Is STA able to become a Point Coordinator ?		O		Yes ❑ No ❑
4 *	Is STA CF-Aware ?		O		Yes ❑ No ❑
5 *	Does STA support WEP ?		O		Yes ❑ No ❑
6 *	Does AP support wireless DS?		C1:O		Yes ❑ No ❑
7 *	Does implementation have a Frequency Hopping Physical Layer?		O		Yes ❑ No ❑
4.1	Implementation complies with frame format conventions ?				
4.1.1	Implementation complies with octet ordering convention ?	4.1.1	M		Yes ❑
4.1.2	Implementation complies with reserved field convention ?	4.1.1	M		Yes ❑
4.2	Frame field formats and values correct?	4.1.3	M		Yes ❑
4.2.1	Frame control field correct ?	4.1.3.1	M		Yes ❑
4.2.2	Protocol version field correct ?	4.1.3.1.1	M	0	Yes ❑
4.2.3	Type and Subtype fields correct ?	4.1.3.1.2	M		Yes ❑
4.2.4	ToDS field correct ?	4.1.3.1.3	M		Yes ❑
4.2.5	FromDS field correct ?	4.1.3.1.4	M		Yes ❑
4.2.6	More Fragment field correct ?	4.1.3.1.5	M		Yes ❑
4.2.7	Retry field correct ?	4.1.3.1.6	M		Yes ❑
4.2.8	Power management field correct ?	4.1.3.1.7	M		Yes ❑
4.2.9	More Data field correct ?	4.1.3.1.8	M		Yes ❑
4.2.10	WEP field correct ?	4.1.3.2	M		Yes ❑
4.2.11	Duration/ID field correct ?	4.1.3.3	M		Yes ❑
4.2.12	Is Address representation correct in all transmitted frames?	4.1.3.4.1	M		Yes ❑
4.2.13	Is Address designation correct ?	4.1.3.4.2	M		Yes ❑
4.2.14	Is the BSSID the correct format in frames where it occurs?	4.1.3.4.3	M		Yes ❑
4.2.14.1	In an infrastructure BSS is BSSID the MAC address of the STA in the AP ?	4.1.3.4.3	M		Yes ❑
4.2.14.2	In an IBSS, is the BSSID the locally administered individual IEEE MAC address generated by the STA that created the IBSS ?	4.1.3.4.3	C2:M		Yes ❑ N/A ❑
4.2.14.3	Is the broadcast BSSID limited to Management frames of Subtype PROBE?	4.1.3.4.3	C2:M		Yes ❑ N/A ❑
4.2.15	Is the source address the individual address of the implementation under test?	4.1.3.4.5	M		Yes ❑
4.2.16	Is the sequence control field format correct?	4.1.3.5	M		Yes ❑
4.2.16.1	Are MSDUs numbered correctly?	4.1.3.5.1	M		Yes ❑
4.2.16.2	Are fragments numbered correctly?	4.1.3.5.2	M		Yes ❑
4.2.17	Does implementation limit frames to less that or equal to the maximum frame body length?	4.1.3.6	M		Yes ❑
4.2.18	Is the CRC field calculated correctly?	4.1.3.7	M		Yes ❑

4.3	Frame formats correct ?	4.2	M		Yes ❑
4.3.1	Are RTS frames correctly formatted ?	4.2.1.1	M		Yes ❑
4.3.1.1	Are the RTS frame control field, address and duration fields correct ?	4.2.1 4.2.1.1	M		Yes ❑
4.3.2	Are CTS frames correctly formatted ?	4.2.1.2	M		Yes ❑
4.3.2.1	Are the CTS frame control field, address and duration fields correct ?	4.2.1 4.2.1.2	M		Yes ❑
4.3.3	Are ACK frames correctly formatted ?	4.2.1.3	M		Yes ❑
4.3.3.1	Are the ACK frame control field, address and duration fields correct ?	4.2.1 4.2.1.3	M		Yes ❑
4.3.4	Are PS-Poll frames correctly formated ?	4.2.1.4	C1:M		Yes ❑ N/A ❑
4.3.4.1	Are the PS-Poll frame control field, address and SID fields correct	4.2.1 4.2.1.4	C1:M		Yes ❑ N/A ❑
4.3.5	Are CF-End frames correctly formated ?	4.2.1.5	C(1&3):M		Yes ❑ N/A ❑
4.3.5.1	Are the CF-End frame control field, duration and address fields correct ?	4.2.1 4.2.1.5	C(1&3):: M		Yes ❑ N/A ❑
4.3.6	Are Data frames correctly formatted ?	4.2.2	M		Yes ❑
4.3.6.1	Are Addresses assigned correctly in Data frames?	4.2.2	M		Yes ❑
4.3.6.2	Is the Address 1 field used to perform address matching for receive decisions?	4.2.2	M		Yes ❑
4.3.6.3	Is Address 4 field used exclusively for wireless DS ?	4.2.2	C6:M		Yes ❑ N/A ❑
4.3.6.4	Is frame body formatted correctly ?	4.2.2	M		Yes ❑
4.3.6.5	Are the correct Data subtypes used exclusively during contention period?	4.2.2	M		Yes ❑
4.3.6.6	Are the correct Data subtypes used in a PCF implemenation?	4.2.2	C(1&3):M		Yes ❑ N/A ❑
4.3.6.7	Are the correct Data subtypes used in a CF-Aware implementation	4.2.2	C4:M		Yes ❑ N/A ❑
4.3.6.8	Is duration field set correctly in Data frames ?	4.2.2	M		Yes ❑
4.3.7	Are management frames correctly formatted ?	4.2.3	M		Yes ❑
4.3.7.1	Are Addresses assigned correctly in Management frames?	4.2.3	M		Yes ❑
4.3.7.2	Is duration field set correctly in Management frames ?	4.2.3	M		Yes ❑
4.3.7.3	Is the Beacon management frame format correct ?	4.2.3.1	M		Yes ❑
4.3.7.3.1	Is the FH Paramenter set element present in Beacon frames ?	4.2.3.1	C7:M		Yes ❑ N/A ❑
4.3.7.3.2	Are the values of the fixed fields and elements within the Beacon frame correct with respect to MIB variable settings for the implementation?	4.3.2.1	M		Yes ❑
4.3.7.3.3	Is the CF Paramenter set element present in Beacon frames ?	4.2.3.1	C(1&3):M		Yes ❑ N/A ❑
4.3.7.3.4	Is the IBSS Paramenter set element present in Beacon frames when the STA is operating within an IBSS?	4.2.3.1	M		Yes ❑
4.3.7.4	Is the ATIM management frame format correct ?	4.2.3.2	C2:M		Yes ❑ N/A ❑
4.3.7.5	Is the Disassociation management frame format correct ?	4.2.3.3	M		Yes ❑

4.3.7.6	Is the Association Request management frame format correct ?	4.2.3.4	C2:M		Yes ❑ N/A ❑
4.3.7.7	Is the Association Response management frame format correct ?	4.2.3.5	C1:M		Yes ❑ N/A ❑
4.3.7.8	Is the Reassociation Request management frame format correct ?	4.2.3.6	C2:M		Yes ❑ N/A ❑
4.3.7.9	Is the Reassociation Response management frame format correct ?	4.2.3.7	C1:M		Yes ❑ N/A ❑
4.3.7.10	Is the Probe Request management frame format correct ?	4.2.3.9	C2:M		Yes ❑ N/A ❑
4.3.7.11	Is the Probe Response management frame format correct ?	4.2.3.10	M		Yes ❑
4.3.7.12	Is the Authentication management frame format correct ?	4.2.3.11	M		Yes ❑
4.3.7.13	Is the Deauthentiaction management frame format correct ?	4.2.3.12	C2:M		Yes ❑ N/A ❑
4.3.8	Are fixed management frame body components used correctly ?	4.2.3 4.3	M		Yes ❑
4.3.8.1	Is the Authentication Algorithm Number used correctly in the relevant frames ?	4.2.3.11 4.3.1.1	M		Yes ❑
4.3.8.2	Is the Authentication Transaction Sequence Number used correctly in the relevant frames ?	4.2.3.11 4.3.1.2	M		Yes ❑
4.3.8.3	Does the Beacon Interval appear correctly in the frames ?	4.3.1.3	M		Yes ❑
4.3.8.4	Does the Capability Information appear correctly in the relevant frames?	4.3.1.4	M		Yes ❑
4.3.8.5	Does the Current AP Address appear correctly in the relevant frames?	4.3.1.5	M		Yes ❑
4.3.8.6	Does the Listen Interval appear correctly in the relevant frames?	4.3.1.6	M		Yes ❑
4.3.8.7	Is the the Station ID assigned correctly in the relevant frames?	4.3.1.8	M		Yes ❑
4.3.8.8	Does the Timestamp appear correctly in the relevant frames?	4.3.1.10			Yes ❑
4.3.9	Are element management frame body components formatted correctly ?	4.3.2	M		Yes ❑
4.3.9.1	Does implementation use defined element IDs correctly?	4.3.2	M		Yes ❑
4.3.9.2	Is the element length field used correctly ?	4.3.2	M		Yes ❑
4.3.10	Is the TIM element formatted and used correctly ?	4.3.2	M		Yes ❑
4.3.10.1	Is the DTIM count decremented correctly?	4.3.2.1	M		Yes ❑
4.3.10.2	Does the DTIM period appear correctly ?	4.3.2.1	C1:M		Yes ❑ N/A ❑
4.3.10.3	Is the bitmap control field coded correctly?	4.3.2.1	C1:M		Yes ❑ N/A ❑
4.3.10.4	Is the partial virtual bitmap coded correctly?	4.3.2.1	C1:M		Yes ❑ N/A ❑
4.3.10.5	Does the implementation correctly interpret the partial virtual bitmap ?	4.3.2.1	C2:M		Yes ❑ N/A ❑
4.3.10	Is the ESSID element formatted correctly and equivalent to the appropriate MIB variable ?	4.3.2.1	M		Yes ❑

4.3.11	Is the FH parameter set element formatted and used correctly ?	4.3.2.2	C7:M		Yes ❑ N/A ❑
4.3.11.1	Are the dwell time, hop set and hop pattern parameters equivalent to the appropriate MIB variables ?	4.3.2.2	C7:M		Yes ❑ N/A ❑
4.3.12	Is the supported rates element formatted and used correctly ?	4.3.2.3	M		Yes ❑
4.3.13	Is the CF parameter set element formatted and used correctly ?	4.3.2.4	C(1&3):M		Yes ❑ N/A ❑
4.3.13.1	Are the CFP_Rate, CFP_Max_Duration parameters equivalent to the appropriate MIB variables ?	4.3.2.4	C(1&3):M		Yes ❑ N/A ❑
4.3.13.2	Is the CFP_Dur_Remaining parameter decremented correctly ?	4.3.2.4	C(1&3):M		Yes ❑ N/A ❑
4.3.14	Is the IBSS parameter set element formatted and used correctly ?	4.3.2.6	M		Yes ❑
4.3.14.1	Is the ATIM Window paramter equivalent to the appropriate MIB variable ?	4.3.2.6	M		Yes ❑
5.1	Does the station implement Open System Authentication?	5.1.1	M		Yes ❑
5.1.1	Are the contents of Open System Authentication request frames correct?	5.1.1.1	M		Yes ❑
5.1.2	Does the station respond to an Open System Authentication request frame with an Open System Authentication response frame?	5.1.1	M		Yes ❑
5.1.3	Are the contents of Open System Authentication response frames correct?	5.1.1.2	M		Yes ❑
5.1.4	Is the result of an Open System Authentication response "successful" if and only if the system generating the response is not currently using a different authentication algorithm?	5.1.1	M		Yes ❑
5.1.5	Is a station that receives a "successful" rseponse to an Open System Authentication exchange authenticated with the station that sent the response?	5.1.1	M		Yes ❑
5.2	Does the station implement Shared Key Authentication?	5.1.2	C5:M		Yes ❑ N/A ❑
5.2.1	Are the contents of Shared Key Authentication request frames correct, and are these frames sent with WEP off?	5.1.2.1	C5:M		Yes ❑ N/A ❑
5.2.2	Does the station respond to a Shared Key Authentication request frame with a Shared Key Authentication challenge text frame?	5.1.2	C5:M		Yes ❑ N/A ❑
5.2.3	Are the contents of Shared Key Authentication challenge text frames correct, and are these frames sent with WEP off?	5.1.2.2	C5:M		Yes ❑ N/A ❑
5.2.4	Does the station respond to a Shared Key Authentication challenge text frame with a Shared Key Authentication encrypted	5.1.2.3	C5:M		Yes ❑ N/A ❑

5.2.5	challenge text frame? Are the contents of Shared Key Authentication encrypted challenge text frames correct, and are these frames sent with WEP on?	5.1.2.3	C5:M		Yes ❑ N/A ❑
5.2.6	Does the station respond to a Shared Key Authentication encrypted challenge text frame with a Shared Key Authentication response text frame?	5.1.2.4	C5:M		Yes ❑ N/A ❑
5.2.7	Are the contents of Shared Key Authentication response frames correct, and are these sent with WEP off?	5.1.2.4	C5:M		Yes ❑ N/A ❑
5.2.8	Is the result of a Shared Key Authentication exchange "successful" if and only if the decrypted challenge text matches the original challenge text?	5.1.2.4	C5:M		Yes ❑ N/A ❑
5.2.9	Is a station that receives a "successful" rseponse to a Shared Key Authentication exchange authenticated with the station that sent the response?	5.1.2.4	C5:M		Yes ❑ N/A ❑
5.3	Does each MPDU that is sent with WEP on expanded?	5.2.5	C5:M		Yes ❑ N/A ❑
5.3.1	When using the WEP Algorithm, does each expanded MPDU that is sent with WEP on include a correctly-constructed 32 bit IV field immediately preceding the MPDU data?	5.2.5	C5:M		Yes ❑ N/A ❑
5.3.2	When using the WEP Algorithm, does each expanded MPDU that is sent with WEP on include a correctly-computed 32 bit ICV field immediately following the MPDU data?	5.2.5	C5:M		Yes ❑ N/A ❑
5.4	Does the station use MAC MIB variables relating to WEP correctly?	5.3	C5:M		Yes ❑ N/A ❑
5.4.1	Is the aWEP_Default MAC MIB variable set and used correctly for encrypting and decrypting MPDUs?	5.3.2	C5:M		Yes ❑ N/A ❑
5.4.2	Is the aExclude_Unencrypted MAC MIB variable set and used correctly for decrypting MPDUs?	5.3.2	C5:M		Yes ❑ N/A ❑
5.4.3	Are the aWEP_Key_Mapping and aWEP_Key_Mapping_Length MAC MIB variable set and used correctly for encrypting and decrypting MPDUs?	5.3.2	C5:M		Yes ❑ N/A ❑
5.4.4	Do the values in the aWEP_Key_Mapping MIB variable take precedence over the aWEP_Default and aWE_Default_Key MAC MIB variables for encrypting and decrypting MPDUs?	5.3.2	C5:M		Yes ❑ N/A ❑
5.4.5	Is the length of aWEP_Key_Mapping at least 10?	5.3.2	C5:M		Yes ❑ N/A ❑
5.4.6	Does the station refrain from ever using a null WEP key?	5.3.2	C5:M		Yes ❑ N/A ❑

6.1	Does Implementation use the virtual carrier sense mechanism correctly?	6.2.1	M		Yes ❑
6.2	ACK Frame protocol correct ?	6.2	M		Yes ❑
6.2.1	Are ACK frames sent within a SIFS time?	6.2.8	M		Yes ❑
6.2.2	Are ACK frames sent only if the received frame had a correct CRC and the Address1 field of the frame contained the implementation's MAC address?	6.2.2 6.2.8	M		Yes ❑
6.2.2	Are ACK frames not sent if the received frame is a multicast or broadcast frame?	6.2.8	M		Yes ❑
6.2.3	Does the ACK frame tranmitted contain the address contained in the Address2 field of the frame being acknowledged?	4.2.1.3	M		Yes ❑
6.3	Random Backoff correct ?	6.2	M		Yes ❑
6.3.1	Is the first frame of a transmision sequence deffered if the medium is detected busy?	6.2.4	M		Yes ❑
6.3.2	Does the implementation wait at least one DIFS time after the medium goes idle before initiating a transmission sequence?	6.2.4	M		Yes ❑
6.3.3	Does the implementation follow the backoff procedure if the first attempt of the first frame of a transmission sequence is deffered until the medium is idle?	6.2.5.2	M		Yes ❑
6.3.4	Is Random Backoff Time calculated correctly?	6.2.4	M		Yes ❑
6.3.5	Do retransmissions increase CW correctly?	6.2.4	M		Yes ❑
6.3.6	Are the correct values of CWmin and CWmax used?	6.2.4	M		Yes ❑
6.3.7	Does the backoff time only start a DIFS period after the medium goes idle at the end of a received ACK or the end of a ACK Timeout?	6.2.5.2 6.2.6.2	M		Yes ❑
6.3.8	Does the implementation monitor the medium for carrier activity durring backoff slots and stop the backoff timer?	6.2.5.2	M		Yes ❑
6.3.9	Is the backoff time decremented correctly?	6.2.5.2	M		Yes ❑
6.3.10	Is the backoff time resumed only after the media is detected idle for a DIFS time?	6.2.5.2	M		Yes ❑
6.3.11	Does the implementation start a deferred transmission when the backoff timer reaches zero?	6.2.5.2	M		Yes ❑
6.3.12	Is there a random backoff between successive non-burst transmissions from the implementation?	6.2.5.2 6.2.5.5	M		Yes ❑
6.4	RTS/CTS protocol correct ?	6.2	M		Yes ❑
6.4.1	Is an RTS/CTS exchange used by the implementation for directed frames of length greater than aRTS_Threshold?	6.2.6.1	M		Yes ❑
6.4.2	Is an RTS/CTS exchange not used by the implementation for directed frames of length less than or equal to	6.2.6.1	M		Yes ❑

6.4.3	aRTS_Threshold? Is an RTS/CTS exchange not used by the implementation for broadcast and multicast frames sent with the ToDS bit clear?	6.2.7	M		Yes ❏
6.4.4	Is an RTS/CTS exchange used by the implementation only for the first fragment of an unbroken directed burst when the length of the first fragment of the burst is greater than a RTS_Threshold?	6.2.5.6	M		Yes ❏
6.4.5	Is an RTS/CTS exchange used by the implementation only for the first fragment of the remainder of burst that has been broken if the length of the fragment is greater than the RTS_Threshold?	6.2.5.6	M		Yes ❏
6.4.6	Do RTS retransmissions follow the backoff procedure?	6.2.5.3	M		Yes ❏
6.4.7	Does the implementation transmit at most aShort_Retry_Limit RTS retransmissions before failing the DATA or Managmenet transmission?	6.2.5.3	M		Yes ❏
6.4.8	Does the implementation transmit at most aShort_Retry_Max frame retransmissions of a Data or Management frame of length less than or equal aRTS_Threshold before failing the frame transmission?	6.2.5.3	M		Yes ❏
6.4.9	Does the implementation transmit at most aLong_Retry_Max frame retransmissions of a Data or Management frame of length greater than aRTS_Threshold before failing the frame transmission?	6.2.5.3	M		Yes ❏
6.5	NAV protocol correct	6.2	M		Yes ❏
6.5.1	Does the implementation only update its NAV if the received frame is not addressed to the implementation and only if the NAV value is greater than the current NAV value?	6.2.5.4	M		Yes ❏
6.5.2	Is the implementation's NAV accurate to 1 microsecond of the busy/free condition of the medium?	6.2.5.4	M		Yes ❏
6.6	Is there a SIFS time spacing between each frame of a directed burst sequence?	6.2.5.5	M		Yes ❏
6.7	DUplicate detetion and recovery correct ?	6.2	M		Yes ❏
6.7.1	Does the implementation discard duplicate received fragments?	6.2.5.5	M		Yes ❏
6.7.2	Are broadcast/multicast fragmented frames sent with a SIFS spacing?	6.2.5.5	M		Yes ❏
6.7.3	Does the implementation discard duplicate received frames?	6.2.9	M		Yes ❏
6.7.4	Does the implementation keep a cache of recently-received <source address, sequence number, fragment number> tuples?	6.2.9	M		Yes ❏
6.7.5	Does the implementation ackowledge	6.2.9	M		Yes ❏

	duplicate frames?				
6.8	PCF protocol correct ?	6.3	C3:M		Yes ❏ N/A ❏
6.8.1	Do CF-Aware STAs and Point Coordinator never use RTS in contention free period ?	6.3	C(3+4):M		Yes ❏ N/A ❏
6.8.2	Does Point coordinator never poll non CF-Aware STAs ?	6.3	C3:M		Yes ❏ N/A ❏
6.8.3	Is Point Coordiantion Function (PCF) activated by setting aCFP_Max_Duartion to a non-zero value ?	6.3	C3:M		Yes ❏ N/A ❏
6.8.4	Is a Beacon frame containg a DTIM element generated at the start of a CFP ?	6.3.1	C3:M		Yes ❏ N/A ❏
6.8.5	Do CFPs occur at aCFP_Rate ?	6.3.1	C3:M		Yes ❏ N/A ❏
6.8.6	Is the length of the CFP less than, or equal to aCFP_Max_Durationn ?	6.3.1	C3:M		Yes ❏ N/A ❏
6.9	Fragmentation protocol correct ?	6.4	M		Yes ❏
6.9.1	Are all fragment payloads of an MSDU, except the last, an equal number of octets?	6.4	M		Yes ❏
6.9.2	Is the last fragment payload smaller than or equal to the previous fragments of the same MSDU?	6.4	M		Yes ❏
6.9.3	When WEP is not invoked, s the payload of all fragments of an MSDU smaller than or equal to aFragmentation_Threshold?	6.4	M		Yes ❏
6.9.4	Is the payload of all fragments of an MSDU smaller than or equal to the payload size plus the size of the IV and the ICV?	6.4 5.2	C5:M		Yes ❏ N/A ❏
6.9.5	When a fragment is retransmitted, are the contents and size of the payload the same as when it was first transmitted?	6.4	M		Yes ❏
6.9.6	Can any size fragment, less than aFragmentation_Threshold plus the size of IV and ICV, be received?	6.4	M		Yes ❏
6.9.7	Do all fragments of an MSDU have the same Sequence Number in the Sequence Control Field?	6.4 4.1.3.5	M		Yes ❏
6.9.8	Does the first or only fragment of an MSDU have Fragment Number equal to zero in the Sequence Control Field?	6.4 4.1.3.5	M		Yes ❏
6.9.9	Do sequential fragments of an MSDU have Fragment Numbers, in the Sequence Control Field, which increment by one?	6.4 4.1.3.5	M		Yes ❏
6.9.10	Is the More Fragments bit in the Frame Control Field one for all but the last or only fragment, in which it is zero?	6.4 4.1.3.1	M		Yes ❏
6.9.11	When there is not enough time remaining in the current dwell to	6.4	C7:M		Yes ❏ N/A ❏

	transmit a fragment and receive an ACK, is the defer and backoff procedure described in reference subclause followed?				
6.9.12	When the time from the first fragment transmission attempt exceeds aMax_Transmit_MSDU_Lifetime without having completed transmission of the MSDU, does the attempt to complete transmission of the MSDU cease?	6.4	M		Yes ❑
6.10	Reassembly protocol correct ?	6.5	M		Yes ❑
6.10.1	Is an MSDU correctly reassembled regardless of the order in which the fragments are received?	6.5	M		Yes ❑
6.10.2	Are up to 6 MSDUs correctly reassembled when the fragments of those MSDUs are received interleaved?	6.5	M		Yes ❑
6.10.3	When the time from receipt of the first fragment of an MSDU exceeds aMax_Receive_MSDU_Lifetime without receipt all fragments of that MSDU, are all received fragments of that MSDU discarded?	6.5	M		Yes ❑
6.10.4	Are duplicate fragments of an MSDU discarded?	6.5	M		Yes ❑
6.10.5	Are duplicate fragments of a directed MSDU acknowledged?	6.5	M		Yes ❑
6.10.6	Are all Control Frames and Multicast/Broadcast frames transmitted at one of the rates in aBSS_Basic_Rate_Set?	6.6	M		Yes ❑

8.1	Is a local TSF timer maintained?	8.1.1	M		Yes ❑
8.1.1	Is the TSF timer started independently of other simultaneously started APs?	8.1.1.1	C1:M		Yes ❑ N/A ❑
8.1.2	Does the station adopt the time stamp in Beacons sent from an AP as the local TSF timer?	8.1.1.1	C2:M		Yes ❑ N/A ❑
8.1.3	Are Beacons generated every aBeacon_Period time units?	8.1.1.1	C1:M		Yes ❑ N/A ❑
8.1.4	Does the station in an IBSS adopt the time stamp of a Beacon or Probe Response whose value is greater than the Station's TSF timer?	8.1.1.2	M		Yes ❑
8.1.5	Does the station set its TSF timer to zero and refrain from transmitting Beacons or Probe Responses when joining an IBSS until it has received a Beacon or Probe Response from a member of the IBSS?	8.1.1.2	M		Yes ❑
8.1.6	Does the TSF timer have a modulus of 2^{64}?	8.1.2	M		Yes ❑
8.1.7	Does the station transmit the value of the station correctly?	8.1.2	M		Yes ❑
8.1.8	At each TBTT, does the station correctly determine when to transmit a Beacon?	8.1.2.2	M		Yes ❑
8.1.9	Does the station correctly update the value of its TSF timer?	8.1.2.3	M		Yes ❑
8.1.10	Is the TSF timer accurate to +/- 0.0025%?	8.1.2.3	M		Yes ❑
8.2	Does the station perform scanning?	8.1.3	M		Yes ❑
8.2.1	Does the station perform active scanning and passive scanning as determined by aScan_Mode and aScan_State?	8.1.3	M		Yes ❑
8.2.2	When scanning passively, does the station listen to each channel scanned for no longer than aPassive_Scan_Duration?	8.1.3.1	M		Yes ❑
8.2.3	Does the station properly send Probe Responses?	8.1.3.2.1	M		Yes ❑
8.2.4	Does the station remain awake after sending a Beacon and respond to Probe frames?	8.1.3.2.1	M		Yes ❑
8.2.5	Does the station always remain in the Awake state?	8.1.3.2.1	C1:M		Yes ❑ N/A ❑
8.2.6	Does the station follow the active scanning procedure?	8.1.3.2.2	M		Yes ❑
8.2.7	To initialize a BSS, does the station select a BSSID, select channel synchronization information, select a beacon interval, initialize the TSF time and begin transmitting Beacons?	8.1.3.3	C1:M		Yes ❑ N/A ❑
8.2.8	Does the station perform the procedure to initialize a BSS or to synchronize with a BSS?	8.1.3.3	C(!1):M		Yes ❑ N/A ❑
8.2.9	When operating in an infrastructure BSS, does the station always adopt the tier	8.1.4	C(!1):M		Yes ❑ N/A ❑

	value in the Beacon from the AP with which it is associated?				
8.2.10	When operating in an IBSS, does the station always adopt the information in the Beacon or Probe Response as required?	8.1.4	C(!1):M		Yes ❑ N/A ❑
8.2.11	Does the station implement the timer synchronization?	8.1.5	C7:M		Yes ❑ N/A ❑
8.2.12	Does the station maintain the required tables of hopping sequences?	8.1.5	C7:M		Yes ❑ N/A ❑
8.3	Does the station transition between power states appropriately, according to aPower_Management_Mode?	8.2.1.1	C2:M		Yes ❑ N/A ❑
8.4	Does the AP identify stations for which MSDUs are buffered by properly setting bits in the TIM?	8.2.1.2	C1:M		Yes ❑ N/A ❑
8.4.1	Does the AP identify indicate the presence of buffered broadcast and multicast frames by setting SID bit zero in the TIM?	8.2.1.2	C1:M		Yes ❑ N/A ❑
8.4.2	Does the AP transmit buffered broadcast and multicast frames prior to unicast frames after a DTIM?	8.2.1.3	C1:M		Yes ❑ N/A ❑
8.4.3	Does the AP transmit a TIM with every Beacon?	8.2.1.3	C1:M		Yes ❑ N/A ❑
8.4.4	Does the AP transmit a TIM of type DTIM every aDTIM_Interval rather than a TIM?	8.2.1.3	C1:M		Yes ❑ N/A ❑
8.5	Does the AP maintain a power management status for each currently associated station?	8.2.1.4	C1:M		Yes ❑ N/A ❑
8.5.1	Does the AP buffer MSDUs for PS stations?	8.2.1.4	C1:M		Yes ❑ N/A ❑
8.5.2	Does the AP transmit frames for AM stations directly?	8.2.1.4	C1:M		Yes ❑ N/A ❑
8.5.3	Does the AP properly format the TIM field and transmit it in the Beacon?	8.2.1.4	C1:M		Yes ❑ N/A ❑
8.5.4	Does the AP buffer all broadcast and multicast frames if any stations are in PS mode?	8.2.1.4	C1:M		Yes ❑ N/A ❑
8.5.5	Does the AP transmit all buffered broadcast and multicast frames and set the MoreData bit properly after every DTIM?	8.2.1.4	C1:M		Yes ❑ N/A ❑
8.5.6	Does the AP respond to a PS Poll by sending a single MSDU with the More Data bit set apprpriately to indicate the presence of further buffered MSDUs?	8.2.1.4	C1:M		Yes ❑ N/A ❑
8.5.7	Does the AP implement an aging function to delete buffered MSDUs?	8.2.1.4	C1:M		Yes ❑ N/A ❑
8.5.8	When informed that a station has changed to the Active Mode, does the AP send bufeered MSDUs to the station without waiting for a PS Poll?	8.2.1.4	C1:M		Yes ❑ N/A ❑

8.6	Does the AP maintain a power management status for each associated CF-Aware station?	8.2.1.5	C(1&3):M		Yes ❑ N/A ❑
8.6.1	Does the AP set the bits in the TIM field correctly?	8.2.1.5	C(1&3):M		Yes ❑ N/A ❑
8.6.2	Does the AP transmitted to CF-Aware stations appropriately?	8.2.1.5	C(1&3):M		Yes ❑ N/A ❑
8.6.3	Does the AP transmit frames to a CF-Aware station under control of the point coordinator when the CF-Aware station is detected to change from PS to AM?	8.2.1.5	C(1&3):M		Yes ❑ N/A ❑
8.7	Does the station awaken after aListen_Interval to receive the next scheduled Beacon?	8.2.1.6	C2:M		Yes ❑ N/A ❑
8.7.1	Does the station issue PS Pols frames appropriately?	8.2.1.6	C2:M		Yes ❑ N/A ❑
8.7.2	Does the station remain in the Awake state until a response to its PS Poll is received or until a Beacon whose TIM indicates the presence of no further buffered traffic for the station?	8.2.1.6	C2:M		Yes ❑ N/A ❑
8.7.3	Does the station issue another PS Poll frame if the More Data bit in a received frame indicates that more MSDUs are buffered for that station?	8.2.1.6	C2:M		Yes ❑ N/A ❑
8.7.4	Does the station wake up to receive every DTIM?	8.2.1.6	C2:M		Yes ❑ N/A ❑
8.7.5	Does the station remain awake until the More Data bit of the broadcast/multicast frames indicate that no further broadcast/multicast MSDUs are buffered?	8.2.1.6	C2:M		Yes ❑ N/A ❑
8.8	Does the station enter the Awake state to receive the Beacon at the start of each contention free period?	8.2.1.7	C(2&4):M		Yes ❑ N/A ❑
8.8.1	Does the station remain in the Awake state when it detects its bit is set in the DTIM or subsequent TIMs of the contention free period until it receives a directed MSDU from the AP with the More Date bit indicating no further buffered traffic?	8.2.1.7	C(2&4):M		Yes ❑ N/A ❑
8.9	Does the AP implement an aging function based on the aListen_Interval of each station for which traffic is buffered?	8.2.1.9	C1:M		Yes ❑ N/A ❑
8.9.1	Does the aging function prevent frames being discarded after any period shorter than aListen_Interval of each station for which traffic is buffered?	8.2.1.9	C1:M		Yes ❑ N/A ❑
8.10	When in PS mode in an IBSS, does the station initialize its power management as described?	8.2.2.2	M		Yes ❑
8.10.1	When in an IBSS, does the station enter PS mode only if the value of the	8.2.2.3	M		Yes ❑

	ATIM_Window is greater than zero?				
8.10.2	When in an IBSS, does the station transit between the awake and doze states as required?	8.2.2.3	M		Yes ❑
8.10.3	When power management is in use in an IBSS, does the station buffer MSDUs for stations known to be in PS mode?	8.2.2.4	M		Yes ❑
8.10.4	When in an IBSS, does the station transmit the ATIM frame as described?	8.2.2.4	M		Yes ❑
8.10.5	When in an IBSS, does the station acknowledge received ATIM frames?	8.2.2.4	M		Yes ❑
8.10.6	When in an IBSS, does the station prevent the transmission of frames other than the ATIM during the ATIM window?	8.2.2.4	M		Yes ❑
8.10.7	When in an IBSS, does the station continue to buffer frames for station known to be in PS mode until an acknowledgment the ATIM is received?	8.2.2.4	M		Yes ❑
8.10.8	When in an IBSS, does the station begin transmission of buffered frames immediately following the ATIM window, as described?	8.2.2.4	M		Yes ❑
8.10.9	When in an IBSS, does the station retain the buffered MSDU and announce it again with an ATIM in the next ATIM window, if the station is unable to transmit the MSDU during the beacon interval in which it was announced?	8.2.2.4	M		Yes ❑
8.11	Does the station implement the association procedure?	8.3.1	C2:M		Yes ❑ N/A ❑
8.11.1	Does the AP implement the association procedure?	8.3.2	C1:M		Yes ❑ N/A ❑
8.11.2	Does the station implement the reassociation procedure?	8.3.3	C2:M		Yes ❑ N/A ❑
8.11.3	Does the AP implement the reassociation procedure?	8.3.4	C1:M		Yes ❑ N/A ❑
8.12	Management Information Base				
8.12.1	Does the station implement the SMT object class?	8.4.2.1	M		Yes ❑
8.12.2	Does the station implement the MAC object class?	8.4.2.2	M		Yes ❑
8.12.3	Does the station implement the Resource Type object class?	8.4.2.3	M		Yes ❑