Change "sixth" to "seventh"

Group Resolution:
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions: a) done

Change the text under "PHY Spec" to "8.3, 8.4 and 8.5"

Group Resolution:
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions: a) done
Align with Rev.2; the text to be amended is:

"Implementations of this standard for license-exempt frequencies below 11 GHz (such as those listed in B.1) shall comply with the WirelessMAN-OFDM PHY as described in 8.3, or the WirelessMAN-OFDMA PHY as described in 8.4. They shall further comply with the DFS protocols (6.3.15) (where mandated by regulation) and with 8.5."

Suggested Remedy
Empower the Editor to implement the existing changes on this text

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group’s Notes

Editor's Notes
Editor's Actions a) done
The modified figure was deleted from Rev 2

Suggested Remedy
Delete row 45 on page 3 and fig. 3 on page 4

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
a) done

2009-04-02

Comment by: Mariana Goldhamer
Membership Status: Member

Comment Type: Editorial
Part of Dis: [ ] Satisfied [ ] Page 3 Line 46 Fig/Table# 3 Subclause 1.4

Comment
Editor's Notes

Improve the text

Suggested Remedy
Replace the text with:

Replace the text with:

3.141 Coexistence Messaging Interval (CMI): A unique repetitive sequence of intervals defined in CXCC and claimed by a system. It is used for broadcasting system's main radio parameters to other systems in its Coexistence Community using always the same predefined PHY parameters.

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
a) done
Suggested Remedy

3.154 Dynamic Channel Selection (DCS): The ability of a system to switch to a different physical (frequency) operating channel based on channel measurements avoiding interference in license-exempt bands of operation. DCS is distinct from DFS (Dynamic Frequency Selection) in that DCS is not used for interference avoidance to regulatory protected devices, such as radar systems, but to other non-SSUs in the band.

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
forgot to insert a space between words in the sentence

Suggested Remedy
Replace "regime,neighbouring" with "regime, neighbouring"

GroupResolution  Decision of Group:  Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes  Editor's Actions  a) done
The last sentence of this clause is redundant in the definition of "License-exempt". The definition of "license-exempt" will ultimately be included in the IEEE Dictionary of terms, and will apply to more than 802.16h devices. Thus, the use of 802.16h-specific text in the definition is not appropriate.

Suggested Remedy
Remove the last sentence of subclause 3.161.

Group Resolution
Decision of Group: Disagree

The definition is relevant for 802.16 only

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions b) none needed
The definition of "Light Licensing" will ultimately be included in the IEEE Dictionary of terms, and may apply to more than 802.16h devices. Thus, the use of 802.16h-specific text in the definition is not appropriate.

**Suggested Remedy**

Remove the phase "(used for example in the UK)"

**Group Resolution**

Decision of Group: **Disagree**

The definition is relevant for 802.16 only

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

Editor's Actions: b) none needed
Incorrect definition

Suggested Remedy
Replace with:
"A spectrum user which provides, in a specific frequency band, a radio service designed as "PRIMARY" by the ITU-R Radio Regulations Article 5."

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
Frequency signalling using 256FFT preambles was deleted

Suggested Remedy
Replace:
"3.168 Radio Signaling: Used in the context of this standard to transmit information between systems using either energy pulses or OFDM 256 FFT preambles."

with
"3.168 Radio Signaling: Used in the context of this standard to transmit information between systems using energy pulses.

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
Modify:
"3.171 Regulatory Threshold: A value (in dBm) of a signal level, as defined by the regulatory rules body, above which the receiver has to initiate an action."

Suggested Remedy

GroupResolution

Decision of Group:  Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions  a) done

Delete: AIFS, AIFSN, DMA, DSM, FRS, FRST, MA, SIFS

Suggested Remedy

Delete the un-used abbreviations

GroupResolution

Decision of Group:  Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions  a) done
Add missing abbreviations

Suggested Remedy
Add:
RSBSn: Nth Radio Signature of a BS
RSSSN: Nth Radio Signature over all the SS/MS associated with a BS

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done

2009-04-02
Comment by: Mariana Goldhamer Membership Status: Member Date: 2009/03/04
Comment # 015 Document under Review: P802.16h/D8a Ballot ID: 16hD8a
Comment Type Editorial Part of Dis Satisfied Page 10 Line Fig/Table# 14 Subclause
Wrong number

Suggested Remedy
change "70" to "80"

GroupResolution Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
1. Device type length: different values in text and table
2. Bits 6-15: Device detection specific: not defined
3. Bits 15-31: CCID - too long

Suggested Remedy

Implement contribution IEEE C802.16h-09/0012r4.

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes  Editor's Actions  a) done

some format and gramma typo adjusted when implementing.
The forwarding messages constitute a protocol. For the full definition is needed a message number (random at request, matching number at response)

The list of the mandatory parameters does not include BSID.

**Suggested Remedy**

1. Add on page 16 line 41:
   BSID -copy description from Table 165c
2. Add on page 16 line 46:
   Message number: Random number for CX-FWD-REQ, matching number for CX-FWD-RSP and CX-FWD-ACK."
3. Add parameter in Table 165c after BSID:
   " Message number" / 16 bit / Random number for CX-FWD-REQ, matching number for CX-FWD-RSP and CX-FWD-ACK."
4. Add new clause 10.5.5

**Group Resolution**

**Decision of Group:** Principle

1. Add on page 16 line 46:
   Message number: Random number for CX-FWD-REQ, matching number for CX-FWD-RSP and CX-FWD-ACK." 
2. Add parameter in Table 165c after BSID:
   " Message number" / 16 bit / Random number for CX-FWD-REQ, matching number for CX-FWD-RSP and CX-FWD-ACK.

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

**Editor's Actions** a) done
The CX-FWD-RSP needs an ACK message, which indicates if the BS sending the BS-FWD-RSP has to repeat the transmission or not.

**Suggested Remedy**

1. Insert new clause:

"6.3.2.3.64 coexistence Forward Acknowledge Message (CX-FWD-ACK)

This message is sent by the destination BS of CX-FWD-RSP to the source BS.
The message shall include the following parameters:

   BSID: If the CX-FWD-ACK message is sent from the source BS to the forwarding SS, the BSID shall be the "BSID of destination BS".
   If the CX-FWD-REQ message is sent from the forwarding SS to the destination BS, the BSID shall be the "BSID of source BS".

   Message number: Number matching the message number used for CX-FWD-RSP.
2. Empower the Editor to create the Syntax table with Management Message type = 74 and the parameters BSID and "Message number".

3. In Table 14, page 10, line 5, replace "reserved" with CX-FWD-ACK / Coexistence Forward Acknowledge message / 'Broadcast/Basic/Multicast'.
4. fix the clause number for the subsequent MAC messages
the forwarding messages constitute a protocol. For the full definition are needed:
- a message number (random at request, matching number at response)
- a timer indicating the moment when the requesting BS will cease to wait for response.

The list of the mandatory parameters does not include BSID.

**Suggested Remedy**

1. Add on page 17 line 34:
   BSID -copy description from Table 165d
2. Add on page 16 line 33:
   "Message number: Number matching the message number used for CX-FWD-REQ."
3. Add parameter in Table 165c after BSID:
   "Message number" / 16 bit / Number matching the message number used for CX-FWD-REQ."
4. Add new clause 10.5.5
   "Timer for CX-FWD-RSP and CX-FWD-ACK messages"
5. Insert table similar with the table in 10.5.4, having the following data:
   "BS / CX_FWD_RSP_timer / After the expiry of this timer the BS will not wait for the corresponding CX-FWD-RSP or CX-FWD-ACK / 100 msec / blank / blank"

**Group Resolution**

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

1. 2. superceded by comment 017.
The BS requesting one of its SS to access the neighbor BS may not be aware of the index of the Master sub-frame used by the neighbor. After association with the neighbor BS, the SS will be provided by the UCD message with the needed index.

**Suggested Remedy**

1. Modify the description text:
   This message is sent by the BS to its serving SS to request this SS to access the neighbor BS during neighbor BS’s Master sub-frame as a forwarding SS. After receiving this message, the SS shall attempt to access the neighbor BS as a forwarding SS during the neighbor BS’s Master sub-frame. The index of the Master sub-frame is provided by the neighbor BS in the UCD message (6.3.2.3.3), DCD message (6.3.2.3.1) or in the CXP message M-CX-REQ (Action_Type = Add neighbor).

2. Delete the parameter "Master sub-frame index of neighbor BS" from the text

3. Delete the parameter "Master sub-frame index of neighbor BS" from the Table 165e

**Reason for Group’s Decision/Resolution**

**Group's Notes**

**Editor's Notes**

a) done

Padding Nibble also deleted from the table after the row above deleted.
the description can be improved

**Suggested Remedy**

Describe after "The SS reports the information it received from ICSI signaling that exceeds the acceptable interference threshold;", how exactly the report is done (which TLVs are used)

**Group Resolution**

**Decision of Group:** Disagree

**Reason for Group's Decision/Resolution**

No text

**Group's Notes**

**Editor's Notes**

Editor's Actions: b) none needed
improve description

Suggested Remedy
Modify:

"A BS shall generate CX-DL-MAP messages in the format shown in Table 165j, including all of the following parameters:"

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
1. The number for the "Management message type" is wrong
2. The reference to the OFDMA Frame prefix has changed in Rev 2

Suggested Remedy
1. Replace "76" with "80"
2. On line 40 replace "8.4.4.3" with "8.4.4.4"

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution
1. The number for the "Management message type" is wrong

Suggested Remedy
1. Replace "77" with "81"

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions
a) done

2009-04-02

Comment by: Mariana Goldhamer
Membership Status: Member
Date: 2009/03/04

Comment # 024
Document under Review: P802.16h/D8a
Ballot ID: 16hD8a

Comment
Type Editorial
Part of Dis 
Satisfied
Page 24
Line 6
Fig/Table# 165j
Subclause

shall is too strong

Suggested Remedy
replace "shall" with "should"

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions
a) done

Comment by: Mariana Goldhamer
Membership Status: Member
Date: 2009/03/04

Comment # 025
Document under Review: P802.16h/D8a
Ballot ID: 16hD8a

Comment
Type Technical
Part of Dis 
Satisfied
Page 25
Line 62
Fig/Table# Subclause 6.3.7.5.3

shall is too strong

Suggested Remedy
replace "shall" with "should"

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions
a) done
Suggested Remedy
Replace [B51] with [B35]

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done

in 16h_D8a:
[B51] ETSI EN 301.893 BRAN; 5GHz high Performance RLAN; Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive;
Define a proper new "CX_Channel Measurement IE"

Suggested Remedy

Define "The definition of "best" for this purpose is left for vendor differentiation; it could equate to least interfered." in 8.3.6.2.3 and 8.4.5.3.5. uses ChannelNr and not ChCtrFr. ChannelNr is defined only for 5GHz, so DCS cannot be used outside this band

Suggested Remedy

Delete "The definition of "best" for this purpose is left for vendor differentiation; it could equate to least interfered."
The round-robin is not defined

Suggested Remedy

Define the timing for round robin or alternatively:
1. Delete rows 23-24
2. Delete "round-robin" in fig. 155d
3. Delete "round-robin" in fig 155g

Group Resolution

Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions a) done

action 1/2/3 was taken according to the group decision.
the text "since the automated methods will have failed" is not appropriate for a standard

Suggested Remedy
Delete "since the automated methods will have failed"

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
why the OFDM periodic channel measurement IE is allocated in the OFDMA part?

Suggested Remedy
1. Delete in table 327 the row containing the OFDM periodic channel measurement IE and adjust the numbering
2. Update the numbering in table 327b, page 36, row 3

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Actions
a) done

Comment by: Mariana Goldhamer Membership Status: Member

Comment # 031 Document under Review: P802.16h/D8a Ballot ID: 16hD8a

Comment Type Technical Part of Dis Satisfied Page 35 Line 14 Fig/Table# Subclause 8.4.5.3

Comment 2009-04-02

2009-04-02

Suggested Remedy
1. replace 8.4.13 with 8.4.14
2. adjust the subsequent numbers

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Editor's Notes
a) done

Comment by: Mariana Goldhamer Membership Status: Member

Comment # 032 Document under Review: P802.16h/D8a Ballot ID: 16hD8a

Comment Type Editorial Part of Dis Satisfied Page 36 Line 36 Fig/Table# Subclause 8.4.13

Comment 2009-04-02

Suggested Remedy
1. replace 8.4.13 with 8.4.14
2. adjust the subsequent numbers

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Editor's Notes
a) done
The OFDMA Tproc was changed from 1 frame to 1ms

Suggested Remedy
1. Restore the OFDMA initial value
2. Add:
WirelessMAN-CX: Tproc should allow UL scheduling in the same frame

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes Editor's Actions a) done
There is no need to restrict the duration of the CXCC slots, with the exception of sub-channels 2 and 3, which may use a different channel spacing.

**Suggested Remedy**

for Tcc_s and Tcc_ss:

1. Change "Duration of the coexistence control channel slots in sub-channels 2 and 3"
2. Modify: "Offset of the DL coexistence control channel slots from the start of the DL sub-frame in sub-channels 2 and 3"

**Group Resolution**

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

Editor's Actions: a) done
Missing CX-CBI parameters

Suggested Remedy
Add rows in Table from 10.5.4:

- BS/SS / T_Bursty_Detect / Duration to assess the lack of Bursty systems / blank / 25s / blank
- BS/SS / CX_LBT_Start_Min / Delay of the frame start / aprox. 200us / blank / blank

Group Resolution

Add rows in Table from 10.5.4:

- BS/SS / T_Bursty_Detect / Duration to assess the lack of Bursty systems / blank / 10s / blank
- BS/SS / CX_LBT_Start_Min / Delay of the frame start / aprox. 200us / blank / blank

Editor's Notes

a) done
Wrong resolution for thresholds

Suggested Remedy
Replace (4 places) "0.1dBm" with "1dBm"

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions  a) done

fix text

Suggested Remedy
UCD channel encodings, LBT threshold, delete from "like: Radars, TV...."
"For CX-frame usage "TLV, the text it is not clear enough.

Suggested Remedy
On lines 2, 7, 13, 22 add "allocation" after "Frame N", "Frame N+1", "Frame N+2", "Frame N+3"

Solution:
Agree

Reason for Group's Decision/Resolution

Editor's Notes
a) done

Comment # 039  Document under Review: P802.16h/D8a  Ballot ID: 16hD8a
Comment Type Editorial  Part of Dis Satisfied  Page 42 Line  Fig/Table#  Subclause 11.4.1

Suggested Remedy
Delete from "like: Radars, TV trans....

Solution:
Agree

Reason for Group's Decision/Resolution

Editor's Notes
a) done
On lines 1, 9, 17, 26 add "allocation" after "Frame N", "Frame N+1", "Frame N+2", "Frame N+3"

Suggested Remedy
"For CX-frame usage "TLV, the text it is not clear enough

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done

align with Rev 2

Suggested Remedy
1. change "11.8.1" to "11.8.3"
2. correct the numbering on lines 9, 12, 27 and 29 to replace "1" with "3"

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
the umbrella of the feature is too large "Support for CX-CBP, including energy detection (15.4.1.4)"

Suggested Remedy
Modify:
"Support for CX-CBP, including energy detection (15.4.1.4)"

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions
a) done

2009-04-02

why DFS is deleted?

Suggested Remedy
Remove row at line 60

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions
a) done
1. there is no second table in Rev 2
2. 16j occupies 1.10 to 1.15

Suggested Remedy
1. On line 1, delete "second"
2. On line 2, change "1.10" to "1.20"
3. Change the numbers for the subsequent TLVs

Group Resolution
Decision of Group: Principle
1. On line 1, delete "second"
2. On line 2, change "1.10" to "1.20"
3. Change the numbers for the subsequent TLVs

Reason for Group's Decision/Resolution
The basic Report (1.1) was modified in Rev. 2 and cannot be actually used for requesting the detection of the variety of spectrum users reported in REP-RSP. In addition, a SS may be requested to look on other channels.

**Suggested Remedy**
Add new TLV after "frame specific RSSI request"

"Detect spectrum users on the channel / 2.26 / 6 / Bit 0-15 - copy the content of Basic report on page 46 lines 15..35"

Bit#16-47 - Channel Center Frequency (in 10kHz)"

**GroupResolution**
Add new TLVs after "frame specific RSSI request"

"Detect spectrum users on the channel / 2.26 / 2 / Bit 0-15 - Editor to copy the content of Basic report on page 46 lines 15..35"

"Duration of measurement / 2.27 / 2 / Bit 0-15: Number of frames: CX-MAC-NO"

**Editor's Actions**
use 1.26/1.27 instead of 2.26/2.27
Suggested Remedy
1. Replace on line 27 "802.11" with "bursty system"

2. Add Bit#11: TV special applications not included in FCC data-base

3. Change Bit#12-15: reserved

Group Resolution
Decision of Group: Principle

1. Replace on line 27 "802.11" with "bursty system"

2. Add Bit#11: TV special applications not included in regulatory data-base

3. Change Bit#12-15: reserved

Group's Notes

Editor's Notes
Editor's Actions a) done

11.11 also change row 1.26 accordingly
Suggested Remedy

for saturation indication, add on the "Name" column, after "Frame", the words "within CX-Frame" (4 places)

Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions  a) done
Acronyms are used in 16j

Suggested Remedy
change in all the document:

- "RSS" to "RSSS"
- "RBS" to "RSBS"

for example, "RSS1" will become "RSSS1" and "RBS1" will become "RSBS1"

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes Editor's Actions a) done
### Suggested Remedy

1. Make sure that only TLV are used;
2. Insert a disclaimer in the TLV GPS_LOC at page 51, last column:

   "The location information will not be transmitted in case that the local regulations or policies forbid the dissemination of this information."

### Group Resolution

**Decision of Group:** Principle

"The location information will not be transmitted in cases where local regulations or policies forbid the dissemination of such information."

### Reason for Group's Decision/Resolution

### Group's Notes

**Editor's Notes**

a) done
the resolution is too high; change from km to m

Suggested Remedy
modify

"79 / Radius of protection area / 42 / In Km "

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
Suggested Remedy

Add:

" 99 / Alternate Channel Center Frequency / 4 / In 10kHz
 100 / Alternate Channel Width     / 2 / In 10kHz
 101 / Additional UL Master sub-frame ID / 1 / bit#0-1: - UL sub-frame ID"

Group Resolution

Decision of Group: Agree
it is not clear if it is a Master sub-frame switch request or a switch-back request;

same about the channel switch on the previous page: the concept is not clear enough

**Suggested Remedy**
Better clarify

**Group Resolution**
Decision of Group: Disagree

**Reason for Group's Decision/Resolution**
no text

**Group's Notes**

**Editor's Notes**
Editor's Actions b) none needed

**Suggested Remedy**
change "requesteing" to "requesting"

**Group Resolution**
Decision of Group: Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**
Editor's Actions a) done
improve text

Suggested Remedy
Line 11: change "can" to "may"
Line 18: add "only" at after "coordination"
Table 644c: List profiles in alphabetical order

Group Resolution
Decision of Group: Principle

Line 11: change "can" to "may"
Table 644c: List profiles in alphabetical order

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes Editor's Actions a) done
<table>
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<th>Comment</th>
<th>Type</th>
<th>Part of Dis</th>
<th>Page</th>
<th>Line</th>
<th>Fig/Table#</th>
<th>Subclause</th>
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<td>58</td>
<td>23</td>
<td></td>
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<td>056</td>
<td>Editorial</td>
<td>Satisfied</td>
<td>59</td>
<td>7</td>
<td></td>
<td>12.8.1.1</td>
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**Comment:**

- **2009-04-02**
  - **Suggested Remedy:**
    - the resolution is too high
    - change "0.25MHz" to "125 kHz"

  **Group Resolution**
  - Decision of Group: Agree

  **Reason for Group's Decision/Resolution**
  - Group's Notes

  **Editor's Notes**
  - Editor's Actions: a) done

  - **2009-04-02**
  - **Suggested Remedy:**
    - Replace "selection" with "structure"

  **Group Resolution**
  - Decision of Group: Agree

  **Reason for Group's Decision/Resolution**
  - Group's Notes

  **Editor's Notes**
  - Editor's Actions: a) done
1. Replace "15" with "16" in all the subsequent clauses
2. Editor notes: the figure numbers and table numbers shall be finalized already

The comment and the resolution were mistaken; there is no Clause 15 in 16j.
1. Modify "Separation of the remaining interference in the time domain, by using a Coexistence Frame, coordinated scheduling and a fairness approach, thus allowing the usage of a frequency channel by more than one system."

2. The MAC-level coexistence messages are intended for systems using the same PHY profile. These messages may convey special information between the BS and its subscribers, or may send messages between systems. In the latter case, the communication may take place during the CXCC dedicated sub-channels or during the neighboring Base Station's Master sub-frames.

3. The Coexistence Signaling uses elements of the existing PHY modes and allows simple communication between systems using same or different PHY modes or different channel widths. The radio signaling may be used to communicate with systems using special signaling procedures, or to indirectly transmit contact information for the IP network during the Coexistence-Signaling Interval or CXCC subchannel 3. These signals for signaling are selected in such a way as to allow may be used in the future the future extension of these procedures for communication with other systems, not belonging to the IEEE 802.16 family.
A system may request its coexistence neighbors to delete it from their coexistence neighbor list using `Delete Coexistence Neighbor Request` (15.6.5.3) through the backhaul or over the air. The coexistence neighbor may also occupy the released resource to improve the bandwidth efficiency.

On the next page:

If a system has no interference neighbor and finds a new free channel, it should record the new free channel as its alternative channel in the information table. The alternative channel may be used for the optimization of channel distribution or fast channel switching when a primary user is detected on the working channel.

The procedures for the optimization of the frequency channels distribution are described in 15.4.2.

Alternatively, the channel switching may be requested by another BS/NCMN: messages over the air and primitives are provided as part of the CXP.

**Group Resolution**

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

**Editor's Actions**
a) done
The new SS listens to the Medium and the Coexistence Control Channel (CXCC) allocations to detect interference (see 15.1.4.3).

**Suggested Remedy**

The new SS listens to the Medium and the Coexistence Control Channel (CXCC) allocations to detect interference (see 15.1.4.3).

**Group Resolution**

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

**Editor's Actions:**

a) done

---

Procedure flow for SS - not clear how the SS reports the measurements during CXCC.

**Suggested Remedy**

Check and provide text; such measurements are claimed by usage of sub-channel 2, sub-channel 4 and CSI.

**Group Resolution**

**Decision of Group:** Disagree

**Reason for Group's Decision/Resolution**

CCID_IND is used for sub-channel 2

**Group's Notes**

**Editor's Notes**

b) none needed
Suggested Remedy

1. Delete "Inter-system communication using frequency-keying"

2. Add at line 42:

"Note that a central Network Control and Management system may also be an element in this architecture. This entity may designate the operating frequency channels and Master sub-frames"

Group Resolution

Decision of Group: Principle

1. Delete "Inter-system communication using frequency-keying"

2. Add at line 42:

"Note that a central Network Control and Management system may also be an element in this architecture. This entity may designate the operating frequency channels and Master sub-frames"

Reason for Group’s Decision/Resolution

Group’s Notes

Editor’s Notes

Editor’s Actions a) done
2009-04-02

In the LE or license-exempt non-exclusively assigned Regulatory domains

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions

a) done
Sub-channel 3 is used for Primary sync, Secondary sync, Freq keying (BS_NURBC transmission with freq keying see 15.3.4.3) and detection of non-SSU and special signaling registration procedures (15.3.5.3). The CXCC sub-channel 3 uses the defined MAC Frames within the CX MAC Frame numbers 512-767. The sub-channel 3 expands over the CXCC Multi-Frame, as follows:

- Cycle 1: Primary and Secondary sync;
- Cycle 2: Special registration signaling procedure: Registration request;
- Cycle 3: Special signaling procedure: Detection of non-SSU, Registration reply;
- Cycle 4: Special registration procedure: Registration Reply.

The signals to be transmitted are defined in 15.3.5. These signals are transmitted at the beginning of the designated CXCC slots. During sub-channel 3, with the exception of cycle 2, the channel BW used for transmission is the lowest channel BW used in the specific frequency band, typically 5MHz.

No preambles, FCH, MAPs or data are sent by any WirelessMAN-CX compliant systems during CXCC sub-channel 3, cycle 3. The registration procedures are described in (note for Editor: include corrected reference).

**Primary sync**
In Cycle 1 shall transmit only the BSs using GPS or equivalent synchronization with the absolute clock. The preambles at the DL frame start constitute the primary synchronization signals.

The primary synchronization signals are transmitted at the start of every CXCC multi-frame, using the signals described in 15.3.5.

**Secondary sync**
The secondary synchronization signals are transmitted after the primary synchronization signals, using the signals described in 15.3.5. Two symbols of silence shall be inserted between the signals constituting the Primary and Secondary synchronization.

**Suggested Remedy**
Text on sub-channel 3 may be improved

Modify:

15.3.1.2.3 Sub-channel 3
Sub-channel 3 is used for Primary sync, Secondary sync, Freq keying (BS_NURBC transmission with freq keying see 15.3.4.3) and detection of non-SSU and special signaling registration procedures (15.3.5.3). The CXCC sub-channel 3 uses the defined MAC Frames within the CX MAC Frame numbers 512-767. The sub-channel 3 expands over the CXCC Multi-Frame, as follows:

- Cycle 1: Primary and Secondary sync;
- Cycle 2: Special registration signaling procedure: Registration request;
- Cycle 3: Special signaling procedure: Detection of non-SSU, Registration reply;
- Cycle 4: Special registration procedure: Registration Reply.

The signals to be transmitted are defined in 15.3.5. These signals are transmitted at the beginning of the designated CXCC slots. During sub-channel 3, with the exception of cycle 2, the channel BW used for transmission is the lowest channel BW used in the specific frequency band, typically 5MHz.

No preambles, FCH, MAPs or data are sent by any WirelessMAN-CX compliant systems during CXCC sub-channel 3, cycle 3. The registration procedures are described in (note for Editor: include corrected reference).

**Primary sync**
In Cycle 1 shall transmit only the BSs using GPS or equivalent synchronization with the absolute clock. The preambles at the DL frame start constitute the primary synchronization signals.

The primary synchronization signals are transmitted at the start of every CXCC multi-frame, using the signals described in 15.3.5.

**Secondary sync**
The secondary synchronization signals are transmitted after the primary synchronization signals, using the signals described in 15.3.5. Two symbols of silence shall be inserted between the signals constituting the Primary and Secondary synchronization.
sub-channel 3 expands over the CXCC Multi-Frame, as follows:
— Cycle 1: Primary and Secondary sync;
— Cycle 2: Detection of non-SSUSpecial registration signaling procedure: Registration request;
— Cycle 3: Special signaling procedure: Detection of non-SSU Registration reply;
— Cycle 4: Detection of non-SSUSpecial registration procedure: Registration Reply.BS NURBC transmission.

The signals to be transmitted are defined in 15.3.5. These signals are transmitted at the beginning of the designated CXCC slots. During sub-channel 3, with the exception of cycle 2, the channel BW used for transmission is the lowest channel BW used in the specific frequency band, typically 5MHz.

Primary sync
In Cycle 1 only the BSs using GPS or equivalent synchronization shall transmit. The preambles at the DL frame start constitute the primary synchronization signals.
The primary synchronization signals are transmitted at the start of every CXCC multi-frame, using the signals described in 15.3.5.

Secondary sync
The secondary synchronization signals are transmitted after the primary synchronization signals, using the signals described in 15.3.5. Two symbols of silence shall be inserted between the signals constituting the Primary and Secondary synchronization.

Reason for Group’s Decision/Resolution

Group’s Notes

Editor’s Notes        Editor’s Actions        a) done

the “special registration procedures” referenced before in 15.3.5 shall be deleted from all the document – on page 76 line 46, page 103 line 2 (here are needed also some editorials: “Systems which do not qualify for using Master sub-frames in a specific channel shall either not operate in that channel, or limit their transmission to Shared sub-frames. or use the special-signaling procedures”)
It is not possible to detect some SSUs, requiring very low levels, if the non-SSU are active. It is needed to forbid the non-SSU operation during CXCC sub-channel1.

**Suggested Remedy**

Modify:

Sub-channel 1 is composed by intervals during which the 802.16 systems shall remain quiet. This silence interval will allow the identification of SSUs and non-SSUs, operating in a specific frequency band.

**Group Resolution**

Decision of Group: Agree

Actually at line 6

**Reason for Group’s Decision/Resolution**

**Group’s Notes**

**Editor’s Notes**

Editor’s Actions  a) done
The description of sub-channel 4 can be improved

**Suggested Remedy**

Modify:

The message CX-FWD-REQ with action code: BSD or action code: SSURF, containing only TLVs providing the location information of the BS and fixed SS, should be transmitted in the first CXCC cycle of the CXCC multi-frame, using the system's Master sub-frame. The scheduling information for transmitting SSURF is provided by the CX-UL-MAP transmitted in the Master frame of the previous CX-Frame. The location information will not be transmitted in case that the local regulations or policies forbid the dissemination of this information. Every system using a specific Master sub-frame shall use the CXCC allocation mapped into that Master sub-frame for letting a new system to assess the maximum interference within that Master sub-frame and frequency channel. The operation of slave systems during Slave sub-frames is not allowed.

CXCC sub-channel 4 uses the operational channel size, FFT size and sub-carrier permutation. It is mapped within the CX MAC Frame numbers 768-1023.

**Group Resolution**

The message CX-FWD-REQ with action code: BSD or action code: SSURF, containing only TLVs providing the location information of the BS and fixed SS, should be transmitted in the first CXCC cycle of the CXCC multi-frame, using the system's Master sub-frame. The scheduling information for transmitting SSURF is provided by the CX-UL-MAP transmitted in the Master frame of the previous CX-Frame. The location information shall not be transmitted in case that the local regulations or policies forbid the dissemination of this information. Every system using a specific Master sub-frame shall use the CXCC allocation mapped into that Master sub-frame for letting a new system to assess the maximum interference within that Master sub-frame and frequency channel. The operation of slave systems during Slave sub-frames is not allowed.

CXCC sub-channel 4 uses the operational channel size, FFT size and sub-carrier permutation. It is mapped within the CX MAC Frame numbers 768-1023.

**Reason for Group's Decision/Resolution**

**Group's Notes**
1. Move at the end of 15.3.3.2 the text from page 85, lines 18-23 (slightly modified):

"For WirelessMAN-OFDMA PHY, the following PHY parameters shall be used for message transmission on sub-channel 2:
Channel Bandwidth: 5MHz; FFT Size: 512; CP: 1/8; Modulation Type: QPSK; FEC Type: 1/2 CC;
PUSC: use PUSC in 8.4.6.2.1; Partitioning of subcarriers into subchannel: following the way specified in 8.4.6.2.2 with DL_PermBase=0 and UL_PermBase= 0."

3. Delete the text from page 85, lines 18-23
Sub-channel 3 has no detailed description of the registration procedures

**Suggested Remedy**

1. Insert new clause "15.3.4 Sub-channel 3"

2. Insert in continuation: sub-channel 3 is used for synchronization, detection of non-SSU and special registration procedures, described in continuation.

3. Insert sub-clause: "15.3.4.1 Special registration procedures"

4. Insert the following text:

   These procedures should be used by systems that are not administratively coordinated with other systems in the same area.

   **15.3.4.1.1 Operating principles**

   The signaling procedures described in this clause allow:
   — Synchronization of the IBS using CXCC
   — Operation without causing interference to neighbor systems during their Master sub-frames.

   Synchronization using CXCC shall be undertaken by searching for signaling on sub-channel 3, Cycle 1. If no synchronization signals are detected, the search shall be undertaken on those adjacent channels in which energy is detected. If no signals are detected the system should start to operate in a stand-alone mode, but shall search for synchronization at least every 10 minutes.

   **15.3.4.1.2 Registration**

   **Registration request**

   The CXCC allocations within sub-channel 3 and starting with the second CXCC cycle in the CXCC Multiframe is the beginning of a registration interval using the Coexistence Signaling. Base Stations using these procedures shall use the CXCC allocations for sending their radio signatures during one of the allocations corresponding to a DL Master sub-frame. The radio signature should be used for the evaluation of the potential interference during the Master slot, to systems which use the sub-frame as Master systems. The operating Master systems shall not transmit data during CXCC allocations for sub-channel 3.

   The radio signature shall use the intended center frequency, working channel width and maximum operational power and should consist of DL transmissions, using the CX-FWD-REQ (Action code: Work as Slave Request) on a Broadcast connection and/or any other messages.

   the operating systems may either decode the message or interpret the existence of the energy on the channel during this slot as a
request for operation as Slave. The energy may be detected by SSs and sent to the BS as an Report.
Systems using these procedures shall use the registration procedures every Tad_reg seconds. (see 10.5.1).
After the first successful registration, the system tolerated as Slave shall send the radio signatures for both its BS and SS/MS.
The SS/MS shall be instructed to send the CX-FWD-REQ (Action code: Work as Slave Request) on a Broadcast connection and/or any other messages. The TLVs "MAC Frame number" and "Sub-Frame ID" defined in Clause 11.29 can be used to indicate the intended sub-frame for transmission.

Registration reply
If the operating systems do not accept the registration request, they shall send a CX-FWD RSP (Action code: Work as Slave Response) or any other messages using the parameters defined for SSURF transmission on sub-channel 2. The operating systems shall use the same sub-frame as used by the un-acceptable transmitter.
The IBS should either decode the message content or detect the energy on the channel shall not use the Master sub-frame on the channel used for registration.
Same IBS may try again, if using a different radio signature (for example, lower power).
Lack of response indicates that the registration is accepted for transmission during the specific sub-frame.

15.3.5.3.3 Selection of suitable reception sub-frames
A system operating according to this clause should identify suitable reception sub-frames, by using the DCS and Registration processes repetitively, searching for a suitable frequency channel and Master sub-frame.

Group Resolution

<table>
<thead>
<tr>
<th>Decision of Group:</th>
<th>Disagree</th>
</tr>
</thead>
</table>

Reason for Group's Decision/Resolution
1. Only synchronized systems are accepted
2. All the systems shall have similar behaviour

Group's Notes

Editor's Notes

| Editor's Actions | b) none needed |
There is no consensus on the usage of the energy-keying in frequency domain.

Suggested Remedy
Delete 15.3.5

Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions  a) done
I am not satisfied with the comment resolution of comment #A8 in 16h commentary database of session #59, 80216-08_065r3, because of the following two reasons:

1. In the "Reason" box, the first line says the original comment does not provide suggested remedy, which is not true because the suggested remedy is clearly provided in comment A8 in the database; that is: "PHY features introduced in IEEE P802.16h/D8 are out of scope of the PAR and should be removed from the draft specification. Therefore remove subclause 15.3.5 and align the remaining specification accordingly."

2. In the "Reason" box, the second line says the solutions are covered by resolution of comment A137. This is totally unacceptable, as because the resolution of comment A137 does not address the real technical problem, instead, it hides the problem by changing names/terminology used; please see another comment of my 16h/D8a comment submission for more details.

Suggested Remedy
Accept the proposed remedy in comment A8, i.e., Delete subclause 15.3.5 and align the remaining specification accordingly, e.g., reordering the section numbers as needed, removing all the references to Section 15.3.5 in 16h/D8a.

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done

references to Section 15.3.5 and its subclause is removed.
I am not satisfied with the comment resolution of comment #A8 in 16h commentary database of session #59, 80216-08_065r3, because I don't agree with that the resolution of comment A137 covers comment A8, as indicated in the "Reason" box of comment A8. The comment A137's resolution actually attempts to hide the real PHY change issue by changing English words/terminology, as indicated by the following details:

1. In 16h D8, on page 95, line 34 to 58, it defines and describes a new-introduced radio signals SFQ1-SFQ9. During comment resolution discussion of A8 in session #59, it was pointed out this part of the spec clearly shows the PHY changes.

2. As a response to this discussion, comment A137 changes the term "Radio signals" to "Scheduling information", which is clearly shown in both 16h D8a, page 97, line 20, Table 648's table title and the contribution C80216h-09_0003r1.

3. Such a terminology change creates an inconsistency in 16h D8a, i.e., in line 19, it says "In Table 648 the radio signals SFQ1-SFQ9 are defined." However, in line 20, the Table 648's title says "Scheduling information".

It is totally unacceptable to use such a terminology change to address the important 16h PAR scope related comments.

**Suggested Remedy**

PHY features introduced IEEE P802.16h/D8a are out of scope of the PAR and should be removed from the draft specification. The subclause 15.3.5 clearly introduces PHY changes. Therefore remove subclause 15.3.5 and align the remaining specification accordingly, reordering the section numbers as needed, removing all the references to Section 15.3.5 in 16h/D8a.

**GroupResolution**

Decision of Group: Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

Editor's Actions: a) done

together with comment 071 references to Section 15.3.5 and its subclause is removed.
text appearance may be improved

Suggested Remedy

Change:

The interfering SS may be identified from the SSID information which is included in any of:
— SSURF message, transmitted during CXCC sub-channel 2.

Group Resolution

Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions

a) done

change "intersystem" to "inter-system"

Suggested Remedy

Group Resolution

Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions

a) done

change "intersystem" to "inter-system" overall the document
improve the text

**Suggested Remedy**

**Change:**

1. "The system needs to **classify group** all the systems in the community as interfering/not interfering units and all the SSs in the native system as interfered/not interfered SSs for various purposes."

2. - line 8

When the initializing BS has **selected allocated** the operation channel, only the neighbor systems, which are interfering in the current channel are grouped as interfering neighbor systems. An interfering neighbor system should share the same band of spectrum by coordinating into different Master sub-frame or controlling the power spectrum density etc.

3. line 34

The CX-Frame is composed of Master, Slave and **Shared** sub-frames, which can be used for DL or for UL (see Figure 406) and the optional Common sub-frame which may be used in DL only (see Figure 407).
controlling the power spectrum density etc.

3. line 34

The CX-Frame is composed of Master, Slave and Shared sub-frames, which can be used for DL or for UL (see Figure 406) and the optional Common sub-frame which may be used in DL only (see Figure 407).

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions

2009-04-02

Ask the Editor to either change the fill pattern or put the text in Bold

Suggested Remedy

align all the CX-Frame filling patterns of the box to be the same as used in fig. 406 for Slave and Shared sub-frames

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions

a) done
Suggested Remedy

Insert:

1. The identification of the different CX-Frame types is done as shown in Table xx.

2. Insert a Table having as column titles: "CX-Frame type / CX_Frame_ID" and the following rows:

   Frame in fig. 406 / 1 /
   Frame in fig. 406 with common sub-frames (fig. 407) / 2 /
   Frame in fig. 408 / 3 /
   Frame in fig. 408 with common sub-frames / 4 /
   Frame in fig. 409 / 5 /
   Frame in fig. 409 with common sub-frames / 6 /

3. Insert a TLV in clause 11.29
   "CX_Frame_ID   / 1  / ID of the CX-Frame (see 15.4.1.2)"

GroupResolution

Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions  a) done

put the figure titles also in the CX-Frame type column.
2009-04-02

Comment by: Mariana Goldhamer  
Membership Status: Member  
Date: 2009/03/04

Comment # 078  
Document under Review: P802.16h/D8a  
Ballot ID: 16hD8a

Comment Suggested Remedy
in the sentence "Are provisionned by operators for usage of the Slave sub-frames; in this case the operators assume the responsibility of not interfereng with the Master sub-frames;"

GroupResolution Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes Editor's Actions a) done

2009-04-02

Comment by: Mariana Goldhamer  
Membership Status: Member  
Date: 2009/03/04

Comment # 079  
Document under Review: P802.16h/D8a  
Ballot ID: 16hD8a

Comment Suggested Remedy
The TLVs named 'Power attenuation in CX-Frame', defined within DCD (11.4.1) and UCD (11.3.1) messages, allow more flexibility to the BS a more flexible policy regarding the transmitted powers within the CX-Frame.

GroupResolution Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes Editor's Actions a) done
In specific bands and regulatory domains, as 3.65-3.7GHz in US and 5GHz in Europe, FCC defines an un-restricted contention protocol as a protocol which avoids creating interference to devices using all other types of contention-based protocols. Such protocols are CX-CBP (15.4.1.4) and UCP (6.4).

Suggested Remedy

"In specific bands and regulatory domains, as 3.65-3.7GHz in US and 5GHz in Europe, FCC defines an un-restricted contention protocol as a protocol which avoids creating interference to devices using all other types of contention-based protocols. In the European Norms for 5GHz, latest versions, it is also required the implementation of a coexistence protocol. CX-CBP is such a protocol. Such protocols are CX-CBP (15.4.1.4) and UCP (6.4)."

Group Resolution

Replace the existing text

"In specific bands and regulatory domains, as 3.65-3.7GHz in US, FCC defines an un-restricted contention protocol as a protocol which avoids creating interference to devices using all other types of contention-based protocols. Such protocols are CX-CBP (15.4.1.4) and UCP (6.4)."

with:

"In specific bands and regulatory domains, such as the 3.65-3.7GHz band in US and the 5GHz bands in Europe, there is a requirement for the implementation of a coexistence protocol. CX-CBP is such a protocol. Such protocols are CX-CBP (15.4.1.4) and UCP (6.4)."

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions a) done
An WirelessMAN-CX system shall detect the existence of non-SSU systems in the band based on measurements during the

dedicated CXCC slots dedicated to assessment of interference created by non-WirelessMAN-CX systems.
The following occupancy rules for the Master and Shared sub-frames are defined:
— MAC Frames 4N and 4N+1 are reserved for scheduled operation; the time interval is named
CXSBI (Coordinated Coexistence Schedule-Based Interval). During CXCBI there are no Common sub-frames;
2. The scheduled systems using the channel may use the MAC Frames reserved for Bursty operation
in a coordinated coexistence contention-based protocol (CX-CBP) mode, as defined below.

Suggested Remedy

1. An WirelessMAN-CX system shall detect the existence of non-SSU systems in the band based on measurements during the
dedicated CXCC slots dedicated to assessment of interference created by non-WirelessMAN-CX systems.
The following occupancy rules for the Master and Shared sub-frames are defined:
— MAC Frames 4N and 4N+1 are reserved for scheduled operation; the time interval is named
CXSBI (Coordinated Coexistence Schedule-Based Interval). During CXCBI there are no Common sub-frames;
2. The scheduled systems using the channel may use the MAC Frames reserved for Bursty operation
in a coordinated coexistence contention-based protocol (CX-CBP) mode, as defined below.

GroupResolution

Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions

a) done

the place of “During CXCBI there are no Common sub-frames;” is actually at the end of row 20, which speaks about CXCBI.
A. Rules for operation during CXSBI
The operational rules related to adaptive modulation/coding and power control are:
— The modulation used during the Master/Slave sub-frames should be chosen such that the full subframe duration shall be used for data transmission; this will protect the WirelessMAN-CX Master sub-frames from the interference created by Bursty systems (3.134), which can detect short silence intervals, start their transmissions, and overlap with the next Master sub-frame.
— The power of the transmitters shall be minimized to the level required by a stable data communication.

B. Rules for operation during the CXCBI time interval
During CXCBI, a special form of the contention-based protocol, named "Coordinated Coexistence Contention-Based Protocol" or CX-CBP shall be applied.

2. Delete because the text is redundant:
"CX-CBP: Frame Structure
The Coexistence Frame shall comprise two synchronized intervals:
— Contention-based interval (CXCBI)
— Scheduled-based interval (CXSBI)
This CX-Frame structure is shown in Figure 411. During CXCBI there are no Common sub-frames."

A. Rules for operation during CXSBI
The operational rules related to adaptive modulation/coding and power control are:
— The modulation used during the Master/Slave sub-frames should be chosen such that the full subframe duration shall be used for data transmission; this will protect the WirelessMAN-CX Master sub-frames from the interference created by Bursty systems (3.134), which can detect short silence intervals, start their transmissions, and overlap with the next Master sub-frame.
— The power of the transmitters shall be minimized to the level required for a stable data communication.
B. Rules for operation during the CXCBI time interval

During CXCBI—Within this scope, a special form of the contention-based protocol, named "Coordinated Coexistence Contention-Based Protocol" or CX-CBP shall be used—shall be applied.

2. Delete because the text is redundant:

"CX-CBP: Frame Structure

The Coexistence Frame shall comprise two synchronized intervals:
— Contention-based interval (CXCBI)
— Scheduled-based interval (CXSBi)

This CX-Frame structure is shown in Figure 411. During CXCBI there are no Common sub-frames."

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes Editor's Actions a) done

this will better shall protect the WirelessMAN-CX Master sub-frames from the interference created by Bursty systems (3.134), which can detect short silence intervals, s
1. The symbol duration may differ function of the PHY profile; it is necessary to define the min. duration independent of the symbol duration.

2. CXslot time is related to the used PHY mode.

**Suggested Remedy**

1. Change at line 17:

   **The duration of the CXLBTStart shall be higher than the CX_LBT_Start_Min, defined in clause 10.5.4.**

   CXLBTStart is defined as:
   
   — CXLBTStart = 2*CXSlotTime (for the OFDMA PHY)
   
   — CXLBTStart = 4*CXSlotTime (for the OFDM PHY).

   CXLBTStart includes the RTG interval before a downlink transmission.

   The CXSlotTime is equivalent to one OFDM/OFDMA symbol time or the duration of the DLSlot (8.4.3.1) for the OFDMA PHY.

   This time includes medium sensing, Tx/Rx turn-around time, propagation delay and processing delay.

   **CX-CBP: Scheduled "Listen before Talk" (SLBT)**

   Before any transmission during CXCBI, an 802.16 device (BS or SS/MS) shall check if the medium is free.

2. Add at line 62:

   - MS/SS should also implement SLBT.
2. Add at line 62:
- MS/SS should also implement SLBT.

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions  a) done
For simplicity, let’s suppose that the conditional transmission interval is scheduled as LBT-TXOP, with a minimum duration of 10 symbols. We assume that it is used with DL FUSC, using 1 symbol/slot.

Table 649—Example of DL valid symbols for operation of a 802.16 system during CXCBI
There is no indication of support messages in CXP or CX-FWD

Suggested Remedy
Please add

GroupResolution
Decision of Group: Disagree

Reason for Group's Decision/Resolution
no text

Group's Notes

Editor's Notes
Editor's Actions a) done

Comment by: Mariana Goldhamer
Membership Status: Member
Date: 2009/03/04

Comment # 086 Document under Review: P802.16h/D8a Ballot ID: 16hD8a
Comment Type Technical Part of Dis ☐ Satisfied ☐ Page 117 Line ☐ Fig/Table# Subclause 15.4.2.2

2009-04-02
Comment by: Mariana Goldhamer
Membership Status: Member
Date: 2009/03/04

Comment # 085 Document under Review: P802.16h/D8a Ballot ID: 16hD8a
Comment Type Technical Part of Dis ☐ Satisfied ☐ Page 113 Line ☐ Fig/Table# Subclause 15.4.1.4

Suggested Remedy
change:

M (default = 24) next CXCBI intervals are concatenated

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Comment by: Mariana Goldhamer
Membership Status: Member
Date: 2009/03/04

Comment # 085 Document under Review: P802.16h/D8a Ballot ID: 16hD8a
Comment Type Technical Part of Dis ☐ Satisfied ☐ Page 113 Line ☐ Fig/Table# Subclause 15.4.1.4

Suggested Remedy
change:

There is no indication of support messages in CXP or CX-FWD

GroupResolution
Decision of Group: Disagree

Reason for Group's Decision/Resolution
no text

Group's Notes

Editor's Notes
Editor's Actions b) none needed
There is no indication of support messages in CXP or CX-FWD

Suggested Remedy
Please add

Group Resolution
Decision of Group: Disagree

Reason for Group's Decision/Resolution
No text

Group's Notes

Editor's Notes
Editor's Actions  b) none needed
If allowed by the operating Master system, a newly entering system can use this sub-frame at its maximum capable and allowed operating EIRP, otherwise it has to reduce its power to a level acceptable by the operating Master system using the sub-frame as Master.

Group Resolution

Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions a) done
This mode requires no negotiation iteration between the offeror and requester and therefore can be applied when time availability is very limited to handle several iterations for the negotiations and/or when the CT-CXP is executed over the air through over the air inter-BSs communications.
In the DCD message the neighbor BS indicates the frame used as Master.

Suggested Remedy
Add at the end of the page:

"In the DCD message the neighbor BS indicates the frame used as Master."

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
A message to set the channel center frequency, channel width, Master sub-frame and the type of CX-Frame is missing.

We will name the new message "Set CX basic parameters"

Suggested Remedy

1. Page 136 line 22 and line 18, modify:
   29 / Set CX Basic Parameters / CX-FWD-REQ / Basic
   30 / Set CX Basic Parameters / CX-FWD-RSP / Basic
   31-255 / Reserved

2. Page 150, line 28, add one row in Table at 15.6.1:
   "Set CX Basic Parameters / Set one or more basic operating parameters"

3. Page 166, line 12, add one row in Table at 15.6.2:
   "Set CX Basic Parameters / Respond to the request for setting one or more basic operating parameters"

4. Adopt contribution IEEE C802.16h-09/0010 or its revisions for the message text.

GroupResolution

1. Page 136 line 22 and line 18, modify:
   29 / Set CX Basic Parameters / CX-FWD-REQ / Basic
   30 / Set CX Basic Parameters / CX-FWD-RSP / Basic
   31-255 / Reserved

2. Page 150, line 28, add one row in Table at 15.6.1:
   "Set CX Basic Parameters / Set one or more basic operating parameters"

3. Page 166, line 12, add one row in Table at 15.6.2:
   "Set CX Basic Parameters / Respond to the request for setting one or more basic operating parameters"

"Shall" is too strong

Suggested Remedy
Replace "shall" with "should"

GroupResolution
Decision of Group: Principle

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done

Comment by: Mariana Goldhamer
Membership Status: Member
Date: 2009/03/04

Comment # 092
Document under Review: P802.16h/D8a
Ballot ID: 16hD8a

Comment Type Technical
Part of Dis Satisfied
Page 137 Line 29
Fig/Table# Subclause 15.5.3.2
Missing some important TLVs

Suggested Remedy
Add in the Table:

<table>
<thead>
<tr>
<th>CX-Frame_ID</th>
<th>Master sub-frame ID</th>
<th>Additional UL Master sub-frame ID</th>
</tr>
</thead>
</table>

Group Resolution
Decision of Group: Principle
Add in the Table:

<table>
<thead>
<tr>
<th>CX-Frame_ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional UL Master sub-frame ID</td>
</tr>
</tbody>
</table>

Reason for Group's Decision/Resolution

Group's Notes
Editor's Notes: Editor's Actions a) done
The various RSBS signatures are identified by the configuration number. The various RSS signatures are identified by the RSS number, which runs from 1 to 199.

**Suggested Remedy**

The various RSBS signatures are identified by the configuration number. The various RSS signatures are identified by the RSS number, which runs from 1 to 199.

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

a) done
2009-04-02

Comment by: Mariana Goldhamer  
Membership Status: Member  
Date: 2009/03/04

Add in the semantics and table:
CX-Frame_ID
Master sub-frame ID
Additional UL Master sub-frame ID

Suggested Remedy

Missing information

GroupResolution

Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions a) done

2009-04-02

Comment by: Harry Bims  
Membership Status: Member  
Date: ?

Comment # 100L  
Document under Review: P802.16h/D8a  
Ballot ID: 16hD8a

The BSID of the source BS is contained in the header of CX-FWD-REQ when this message is received by the destination BS.

Suggested Remedy

Remove the 'BSID of the source BS' row from the table.

GroupResolution

Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions a) done
Remove the 'BSID of the source BS' row from the table.

Suggested Remedy
Remove the 'BSID of the source BS' row from the table.

The BSID of the source BS is contained in the header of CX-FWD-REQ when this message is received by the destination BS.

Reason for Group's Decision/Resolution
Group's Notes
Editor's Notes
Editor's Actions a) done

Remove the 'BSID of the source BS' row from the table.

The BSID of the source BS is contained in the header of CX-FWD-RSP when this message is received by the forwarding SS.

Reason for Group's Decision/Resolution
Group's Notes
Editor's Notes
Editor's Actions a) done
The BSID of the destination BS is contained in the header of CX-FWD-RSP when this message is received by the source BS.

**Suggested Remedy**

Remove the 'BSID of the destination BS' row from the table.

**Group Resolution**

**Decision of Group:** Agree

The BSID of the source BS is contained in the header of CX-FWD-REQ when this message is received by the destination BS.

**Suggested Remedy**

Remove the 'BSID of the source BS' row from the table.

**Group Resolution**

**Decision of Group:** Agree

---

The comments are numbered 103L and 104L. The document under review is P802.16h/D8a, and the ballot ID is 16hD8a.
Remove the 'BSID of the destination BS' row from the table.

Suggested Remedy
Remove the 'BSID of the destination BS' row from the table.

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Actions
a) done

The BSID of the destination BS is contained in the header of CX-FWD-REQ when this message is received by the forwarding SS.

Remove the 'BSID of the destination BS' row from the table.

Suggested Remedy
Remove the 'BSID of the source BS' row from the table.

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Actions
a) done

The BSID of the source BS is contained in the header of CX-FWD-RSP when this message is received by the forwarding SS.
Remove the 'BSID of the destination BS' row from the table.

**Suggested Remedy**

The BSID of the destination BS is contained in the header of CX-FWD-RSP when this message is received by the source BS.

**Group Resolution**

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

**Editor's Actions** a) done

---

Remove the 'BSID of the source BS' row from the table.

**Suggested Remedy**

The BSID of the source BS is contained in the header of CX-FWD-REQ when this message is received by the destination BS.

**Group Resolution**

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

**Editor's Actions** a) done
2009-04-02

Suggested Remedy
Remove the 'SSID of the forwarding SS' row from the table.

GroupResolution  Decision of Group:  Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Actions  Editor's Notes  a) done

2009-04-02

Suggested Remedy
Remove the 'BSID of the source BS' row from the table.

GroupResolution  Decision of Group:  Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Actions  Editor's Notes  a) done
Remove the 'SSID of the forwarding SS' row from the table.

Suggested Remedy
Remove the 'SSID of the forwarding SS' row from the table.

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done

all items in the table are deleted, so the whole table and the sentence below is deleted as well:
The following parameters shall be included in the CX-FWD-REQ (Action Code = CT-CX-ACK) message.
The BSID of the source BS is contained in the header of CX-FWD-RSP when this message is received by the forwarding SS.

Suggested Remedy
Remove the 'BSID of the source BS' row from the table.

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done

The SSID of the forwarding SS is known to the source BS because it receives the CX-FWD-RSP message on the CID of the forwarding SS, and can map this to the SSID of the forwarding SS.

Suggested Remedy
Remove the 'SSID of the forwarding SS' row from the table.

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
The paragraph should be re-written to improve the text

**Suggested Remedy**

Change "The message CX-FWD-REQ" to "The CX-FWD-REQ message"
Change "is used by a" to "is sent by the"

**Group Resolution**

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Actions**  a) done

The paragraph should be re-written because the table of TLV parameters has been eliminated

**Suggested Remedy**

Replace the paragraph with the following text:
"A CX-FWD-REQ message having Get Parameter for Radio Signature Request as its Action Code has no TLV parameters."

**Group Resolution**

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Actions**  a) done
2009-04-02

Suggested Remedy
Remove the entire table of TLV parameters.

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done

2009-04-02

Suggested Remedy
Remove the 'BSID of the source BS' row from the table.

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
The BSID of the destination BS is contained in the header of CX-FWD-REQ when this message is received by the forwarding SS.

Suggested Remedy
Remove the 'BSID of the destination BS' row from the table.

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done

The BSID of the source BS is contained in the header of CX-FWD-RSP when this message is received by the forwarding SS.

Suggested Remedy
Remove the 'BSID of the source BS' row from the table.

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
The BSID of the destination BS is contained in the header of CX-FWD-RSP when this message is received by the source BS.

Suggested Remedy
Remove the 'BSID of the destination BS' row from the table.

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Actions
a) done

The BSID of the source BS is contained in the header of CX-FWD-REQ when this message is received by the destination BS.

Suggested Remedy
Remove the 'BSID of the source BS' row from the table.

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Actions
a) done
The BSID of the destination BS is contained in the header of CX-FWD-REQ when this message is received by the forwarding SS.

**Suggested Remedy**
Remove the 'BSID of the destination BS' row from the table.

**Group Resolution**

- **Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

- **Editor's Actions:** a) done

---

The BSID of the source BS is contained in the header of CX-FWD-RSP when this message is received by the forwarding SS.

**Suggested Remedy**
Remove the 'BSID of the source BS' row from the table.

**Group Resolution**

- **Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

- **Editor's Actions:** a) done
The BSID of the destination BS is contained in the header of CX-FWD-RSP when this message is received by the source BS.

Suggested Remedy
Remove the 'BSID of the destination BS' row from the table.

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done

The BSID of the source BS is contained in the header of CX-FWD-REQ when this message is received by the destination BS.

Suggested Remedy
Remove the 'BSID of the source BS' row from the table.

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
The BSID of the destination BS is contained in the header of CX-FWD-REQ when this message is received by the forwarding SS.

**Suggested Remedy**
Remove the 'BSID of the destination BS' row from the table.

**GroupResolution**
Decision of Group: Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**
Editor's Actions: a) done

The BSID of the source BS is contained in the header of CX-FWD-RSP when this message is received by the forwarding SS.

**Suggested Remedy**
Remove the 'BSID of the source BS' row from the table.

**GroupResolution**
Decision of Group: Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**
Editor's Actions: a) done
The BSID of the destination BS is contained in the header of CX-FWD-RSP when this message is received by the source BS.

**Suggested Remedy**
Remove the 'BSID of the destination BS' row from the table.

**Group Resolution**

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

15.5.3.30 and 15.5.3.31 also:
Remove the 'BSID of the destination BS' and 'BSID of the source BS' rows from the table.
Insert the following text:

"The C-CX-REQ primitive shall include the following parameters:
Action Type: The Action Type is one byte in length, and identifies the type of coexistence procedure to be performed. When a primitive is received with an invalid Action Type, it shall be silently discarded.

TLV Encoded Attributes: Each coexistence primitive Action Type has its own set of required and optional attributes. Unless explicitly stated, there is no requirement on the ordering of attributes within a C-CX-REQ primitive. The TLV encoded attributes values are defined in Table 612a of clause 11.29."

Suggested Remedy

Need more description of the C-CX-REQ primitive format.
Suggested Remedy
Replace "Destination: BS" with "Destination: BSID of the destination BS"
Add "Source: BSID of the source BS"

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done

Suggested Remedy
Change "BS should transmit" to "The destination BS should respond with"

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
Need to clarify in the Semantics the source BS and the destination BS for the primitive.

**Suggested Remedy**
Replace "Destination: BS" with "Destination: BSID of the destination BS"
Add "Source: BSID of the source BS"

**GroupResolution**

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Actions** a) done

---

**Suggested Remedy**

Change "BS shall send" to "The destination BS should respond with"

**GroupResolution**

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Actions** a) done
Comment # 135L
Comment by: Harry Bims
Type: Editorial
Part of Dis: [ ] Satisfied [ ]
Page 152, Line 34
Fig/Table#: Subclause 15.6.1.3

Suggested Remedy
Change "receiving BS shall" to "destination BS should"

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Actions
a) done

Comment # 136L
Comment by: Harry Bims
Type: Technical
Part of Dis: [ ] Satisfied [ ]
Page 153, Line 2
Fig/Table#: Subclause 15.6.1.3

Suggested Remedy
Need to clarify in the Semantics the source BS and the destination BS for the primitive.

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Actions
a) done
Replace "Destination: BS" with "Destination: BSID of the destination BS"
Add "Source: BSID of the source BS"

Need to clarify in the Semantics the source BS and the destination BS for the primitive.

Suggested Remedy

Change "receiving BS shall" to "destination BS should"
Need to clarify in the Semantics the source BS and the destination BS for the primitive.

Suggested Remedy
Replace "Destination: BS, NCMS" with "Destination: BSID of the destination BS, NCMS"
Add "Source: BSID of the source BS"

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
Need to clarify in the Semantics the source BS and the destination BS for the primitive.

**Suggested Remedy**

Replace "Destination: BS, NCMS" with "Destination: BSID of the destination BS, NCMS"
Add "Source: BSID of the source BS"

**GroupResolution**

Decision of Group: Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

Editor's Actions: a) done
Need to clarify in the Semantics the source BS and the destination BS for the primitive.

Suggested Remedy
Replace "Destination: BS, NCMS" with "Destination: BSID of the destination BS, NCMS"
Add "Source: BSID of the source BS"

BSID attributes are now in the primitive header.

Suggested Remedy
Delete "BSID of the source BS" from the Attribute List
Delete "BSID of the source BS" attribute rows from the table at line 60 on page 157
Replace "Destination: BS, NCMS" with "Destination: BSID of the destination BS, NCMS"
Add "Source: BSID of the source BS"

Suggested Remedy

BSID attributes are now in the primitive header.

Suggested Remedy
Delete "BSID of the source BS" and "BSID of the destination BS" from the Attribute List
Delete "BSID of the source BS" and "BSID of the destination BS" attribute rows from the table at lines 34 and 36 on page 159
Replace "Destination: BS, NCMS" with "Destination: BSID of the destination BS, NCMS"
Add "Source: BSID of the source BS"

**Suggested Remedy**

**GroupResolution**

**Decision of Group:** Agree

**Group's Notes**

**Editor's Actions**
a) done

BSID attributes are now in the primitive header.

**Suggested Remedy**

Delete "BSID of the source BS" and "BSID of the destination BS" from the Attribute List
Delete "BSID of the source BS" and "BSID of the destination BS" attribute rows from the table at lines 51 and 53 on page 160
Replace "Destination: BS" with "Destination: BSID of the destination BS"
Add "Source: BSID of the source BS"

Suggested Remedy

Need to clarify in the Semantics the source BS and the destination BS for the primitive.

GroupResolution

Decision of Group: Agree

Group's Notes

Editor's Notes

Editor's Actions a) done

2009-04-02

Comment by: Harry Bims Membership Status: Member Date: ?

Comment # 147L Document under Review: P802.16h/D8a Ballot ID: 16hD8a

Comment Type Technical Part of Dis Satisfied Page 162 Line 13 Fig/Table# Subclause 15.6.1.10

Improve the text.

Suggested Remedy

Change "receiving BS shall" to "destination BS should"

GroupResolution

Decision of Group: Agree

Group's Notes

Editor's Notes

Editor's Actions a) done
Need to clarify in the Semantics the source BS and the destination BS for the primitive.

**Suggested Remedy**

Replace "Destination: BS, NCMS" with "Destination: BSID of the destination BS, NCMS"
Add "Source: BSID of the source BS"

**GroupResolution**

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

**Editor's Actions**

a) done
The BSIDs have been moved to the header of the primitive.

**Suggested Remedy**
Delete "BSID" and "Requested BSID" from the attribute list.
Delete "BSID" and "Requested BSID" attribute rows from the table at line 64 of page 163 and line 1 of page 164

**GroupResolution**
Decision of Group: Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**
Editor's Actions a) done

also did in 15.6.1.6
Need to clarify in the Semantics the source BS and the destination BS for the primitive.

Suggested Remedy
Replace "Destination: BS, NCMS" with "Destination: BSID of the destination BS, NCMS"
Add "Source: BSID of the source BS"

GroupResolution

Decision of Group: Agree

The BSIDs have been moved to the header of the primitive.

Suggested Remedy
Delete "BSID" and "Requested BSID" from the attribute list.
Delete "BSID" and "Requested BSID" attribute rows from the table at lines 6 and 7 of page 165
Need more description of the C-CX-RSP primitive format.

**Suggested Remedy**

Insert the following text:

"The C-CX-RSP primitive shall include the following parameters:
Action Type: The Action Type is one byte in length, and identifies the type of coexistence procedure to be performed. When a primitive is received with an invalid Action Type, it shall be silently discarded.

TLV Encoded Attributes: Each coexistence primitive Action Type has its own set of required and optional attributes. Unless explicitly stated, there is no requirement on the ordering of attributes within a C-CX-RSP primitive. The TLV encoded attributes values are defined in Table 612a of clause 11.29."

**Group Resolution**

*Decision of Group: Agree*

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

*Editor's Actions* a) done
Need to clarify in the Semantics the source BS and the destination BS for the primitive.

Suggested Remedy
Replace "Destination: BS" with "Destination: BSID of the destination BS"
Add "Source: BSID of the source BS"

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done

Improve the text.

Suggested Remedy
Change "BS can use" to "The destination BS should use"

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
Need to clarify in the Semantics the source BS and the destination BS for the primitive.

**Suggested Remedy**

Replace "Destination: BS" with "Destination: BSID of the destination BS"
Add "Source: BSID of the source BS"

**Group Resolution**

**Decision of Group:** Agree

Need to improve the text

**Suggested Remedy**

Change "receiving BS shall" to "destination BS should"
Need to clarify in the Semantics the source BS and the destination BS for the primitive.

Suggested Remedy
Replace "Destination: BS" with "Destination: BS ID of the destination BS"
Add "Source: BS ID of the source BS"

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done

Need to improve the text

Suggested Remedy
Change "receiving BS shall" to "destination BS should"

GroupResolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
Need to clarify in the Semantics the source BS and the destination BS for the primitive.

**Suggested Remedy**
Replace "Destination: BS" with "Destination: BSID of the destination BS"
Add "Source: BSID of the source BS"

**Group Resolution**

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

**Editor's Actions**
a) done

Need to improve the text

**Suggested Remedy**
Change "receiving BS shall" to "destination BS should"
Need to clarify in the Semantics the source BS and the destination BS for the primitive.

**Suggested Remedy**

Replace "Destination: BS" with "Destination: BSID of the destination BS"
Add "Source: BSID of the source BS"

**Group Resolution**

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

**Editor's Actions**
a) done
Replace "Destination: BS, NCMS" with "Destination: BSID of the destination BS, NCMS"
Add "Source: BSID of the source BS"

The BSIDs have been moved to the header of the primitive.

Delete "BSID" and "Requested BSID" from the attribute list.
Delete "BSID" and "Requested BSID" attribute rows from the table at lines 34 and 36 of page 171
Replace "Destination: BS, NCMS" with "Destination: BSID of the destination BS, NCMS"
Add "Source: BSID of the source BS"

Suggested Remedy

The BSIDs have been moved to the header of the primitive.

Suggested Remedy
Delete "BSID of the source BS" and "BSID of the destination BS" from the attribute list.
Delete "BSID of the source BS" and "BSID of the destination BS" attribute rows from the table at lines 47 and 49 of page 172
Replace "Destination: BS, NCMS" with "Destination: BSID of the destination BS, NCMS"
Add "Source: BSID of the source BS"

The BSIDs have been moved to the header of the primitive.

Delete "BSID of the source BS" and "BSID of the destination BS" from the attribute list.
Delete "BSID of the source BS" and "BSID of the destination BS" attribute rows from the table at lines 55 and 57 of page 173
Comment by: Harry Bims  
Membership Status: Member  
Date: ?

Comment # 169L  
Document under Review: P802.16h/D8a  
Ballot ID: 16hD8a

Comment  
Type: Technical  
Part of Dis:  
Satisfied:  
Page 174  
Line 45  
Fig/Table#:  
Subclause: 15.6.2.9

Need to clarify in the Semantics the source BS and the destination BS for the primitive.

Suggested Remedy
Replace "Destination: BS, NCMS" with "Destination: BSID of the destination BS, NCMS"
Add "Source: BSID of the source BS"

GroupResolution  
Decision of Group: Agree

Group’s Notes

Editor’s Actions  
a) done

Comment by: Harry Bims  
Membership Status: Member  
Date: ?

Comment # 170L  
Document under Review: P802.16h/D8a  
Ballot ID: 16hD8a

Comment  
Type: Technical  
Part of Dis:  
Satisfied:  
Page 174  
Line 47  
Fig/Table#:  
Subclause: 15.6.2.9

The BSIDs have been moved to the header of the primitive.

Suggested Remedy
Delete "BSID of the source BS" and "BSID of the destination BS" from the attribute list.
Delete "BSID of the source BS" and "BSID of the destination BS" attribute rows from the table at lines 54 and 56 of page 174

GroupResolution  
Decision of Group: Agree

Group’s Notes

Editor’s Notes  
a) done
Replace "Destination: RAIS" with "Destination: BSID of the destination BS, RAIS"
Add "Source: BSID of the source BS"

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done

Comment by: Harry Bims    Membership Status: Member    Date: ?

Comment # 171L    Document under Review: P802.16h/D8a    Ballot ID: 16hD8a
Comment Type Technical    Part of Dis Satisfied    Page 157    Line 42    Fig/Table#    Subclause 15.6.2.10

Comment: Need to clarify in the Semantics the source BS and the destination BS for the primitive.

Suggested Remedy

Editor's Notes

Comment by: Harry Bims    Membership Status: Member    Date: ?

Comment # 172L    Document under Review: P802.16h/D8a    Ballot ID: 16hD8a
Comment Type Technical    Part of Dis Satisfied    Page 176    Line 3    Fig/Table#    Subclause 15.6.2.10

Comment: Need to clarify in the Semantics the source BS and the destination BS for the primitive.

Suggested Remedy

Replace "receiving BS shall" with "destination BS should"

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions a) done
Suggested Remedy

Replace "Destination: BS, NCMS" with "Destination: BSID of the destination BS, NCMS"
Add "Source: BSID of the source BS"

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Actions a) done

Comment by: Harry Bims  Membership Status: Member  Date: ?

Comment # 173L  Document under Review: P802.16h/D8a  Ballot ID: 16hD8a
Comment  Type Technical  Part of Dis  Satisfied  Page 176  Line 26  Fig/Table#  Subclause 15.6.2.11

The BSIDs have been moved to the header of the primitive.

Suggested Remedy
Delete "BSID" and "Requested BSID" from the attribute list.
Delete "BSID" and "Requested BSID" attribute rows from the table at lines 40 and 42 of page 176

Group Resolution
Decision of Group: Agree

Reason for Group's Decision/Resolution

Group's Notes

Editor's Actions a) done

Comment by: Harry Bims  Membership Status: Member  Date: ?

Comment # 174L  Document under Review: P802.16h/D8a  Ballot ID: 16hD8a
Comment  Type Technical  Part of Dis  Satisfied  Page 176  Line 29  Fig/Table#  Subclause 15.6.2.11
Need to clarify in the Semantics the source BS and the destination BS for the primitive.

**Suggested Remedy**
Replace "Destination: BS, NCMS" with "Destination: BSID of the destination BS, NCMS"
Add "Source: BSID of the source BS"

**Group Resolution**

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Editor's Notes**
a) done

The BSIDs have been moved to the header of the primitive.

**Suggested Remedy**
Delete "BSID" and "Requested BSID" from the attribute list.
Delete "BSID" and "Requested BSID" attribute rows from the table at lines 43 and 45 of page 177

**Group Resolution**

**Decision of Group:** Agree

**Reason for Group's Decision/Resolution**

**Editor's Notes**
a) done
There needs to be somewhere in the document where the value for each Action Type is described.

**Suggested Remedy**
Create a clause similar to clause 15.5.3 that includes a table of Action Types similar to Table 651.

**Group Resolution**

**Decision of Group:** Principle

Implement the contribution IEEE C802.16h/09-0013

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

**Editor's Actions** a) done