

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	AIs for Figures Consolidation	
Date Submitted	2007-09-07	
Source(s)	Wu Xuyong Huawei, Huawei Industry Base, Bantian, Longgang, Shenzhen, China 518129	Voice: +86-755-28976776 Fax: wuxuyong@huawei.com ,
Re:	IEEE 802.16-07/019: Task Group Review: Working Group Draft P802.16h/D2c (2007-08-13)	
Abstract	Several AIs taken by Xuyong to updating the figures according to meeting #50.	
Purpose	To consolidate the 16h draft.	
Notice	This document has been prepared to assist IEEE 802.16. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.	
Release	The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE's sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.16.	
Patent Policy and Procedures	The contributor is familiar with the IEEE 802.16 Patent Policy and Procedures < http://ieee802.org/16/ipr/patents/policy.html >, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair < mailto:chair@wirelessman.org > as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.16 Working Group. The Chair will disclose this notification via the IEEE 802.16 web site < http://ieee802.org/16/ipr/patents/notices >.	

AIs for Figures Consolidation

Wu Xuyong
Huawei Tech.

Overview

Comment #002 by Kenneth Stanwood in 80216h-07_014r3:

Comment:

At the end of session 49 in May, it was agreed by the task group that the concept of a “common” frame could be eliminated. However, due to the fact that the decision was made at the end of that session and was based on numerous inputs, no specific editorial instructions were available for the editor. So, IEEE P802.16h/D2b [1] still contains the concept of common frames.

Suggest Remedy:

Accept the contents of C80216h-07_059.pdf

Group Resolution:

Accept the contribution C80216h-07_059r2.

AI to Mariana + Xuyong: Reflect in the document the agreement of having the Common sub-frames as an option; use the contribution 59.

Comment #067 by David Grandblaise in 80216h-07_014r3:

Comment:

Description of CXCC with a Figure would be helpful to visualise the sub-channel mapping.

Suggest Remedy:

Provide Figure for CXCC sub-channels description.

Group Resolution:

AI for Xuyong to make a figure according to the text of 15.1.5.3

Comment #072 by Kenneth Stanwood in 80216h-07_014r3:

Comment:

Figure h28 was supposed to be combined with the similar picture from 802.16f and put back in section 1 where it belongs.

Suggest Remedy:

Combine with the same Figure from 802.16f and move to the appropriate section 1 subsection.

Group Resolution:

AI taken by Xuyong to provide a combined figure.

Discussion

Comment 002: The TG had agreed that common subframe will be an option. So in order not to misleading the reader of the draft, we need to prevent showing the common subframe in the figures which do not have direct relationship with common subframe. The common subframe should appear only when we talk about it.

Reference:

[1] *IEEE 802.16h-07/014r3: Comments on Working Group Draft P802.16h/D2b (final) (2007-07-14)*

- [2] *IEEE P802.16h/D2c: 802.16h draft for Task Group Review (2007-07-31)*
- [3] *IEEE 802.16-07/019: Task Group Review: Working Group Draft P802.16h/D2c (2007-08-13)*
- [4] *IEEE C802.16h-07/075: Action Items from Session #50 (Mariana Goldhamer; 2007-07-19)*
- [5] *IEEE 802.16-2004: IEEE Standard for Local and metropolitan area networks Part 16: Air Interface for Fixed Broadband Wireless Access Systems (2004-10-01)*
- [6] *IEEE 802.16e-2005: IEEE Standard for Local and metropolitan area networks Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems Amendment 2: Physical and Medium Access Control Layers for Combined Fixed and Mobile Operation in Licensed Bands and Corrigendum 1 (2006-02-28)*

Proposed Changes accordingly:

1) *The following figure and the related description have nothing to do with optional common, no necessity to mention common subframe here:*

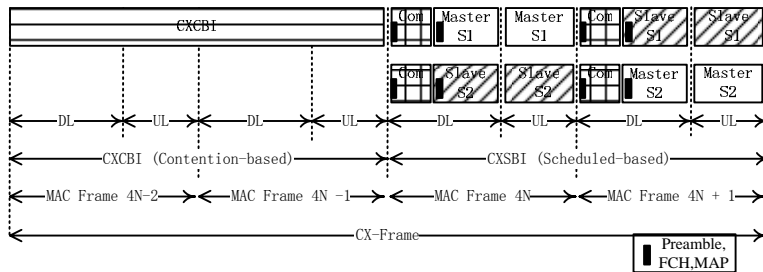


Figure h-58 CX-Frame structure for synchronized CXCBP

Propose to update accordingly:

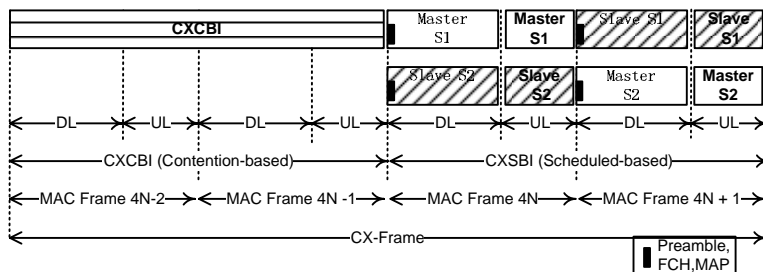


Figure h-58 CX-Frame structure for synchronized CXCBP

2) *For the same reason:*

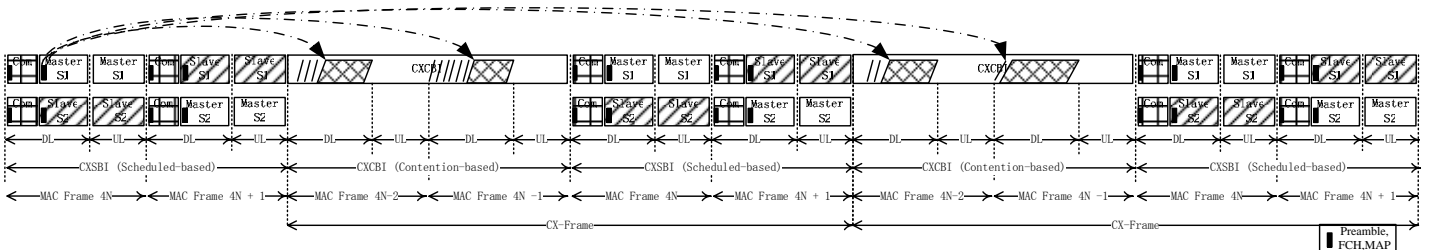


Figure h-59 Example of DL Scheduled Listen Before Talk opportunities inside the CXCW

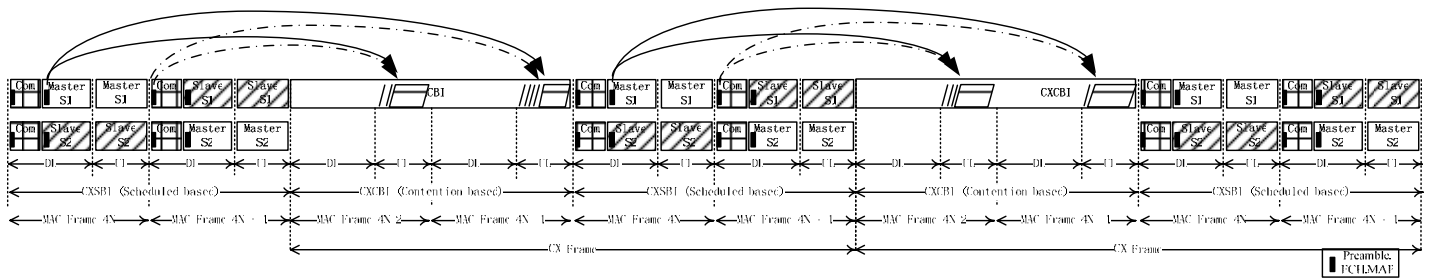


Figure h-60 Example of UL Scheduled Listen Before Talk opportunities inside the CXCW

These two figure should omit common subframe since there is no interconnection between optional common and this topic, if there is no other changing requirement, these 2 figure are proposed to be changed accordingly:

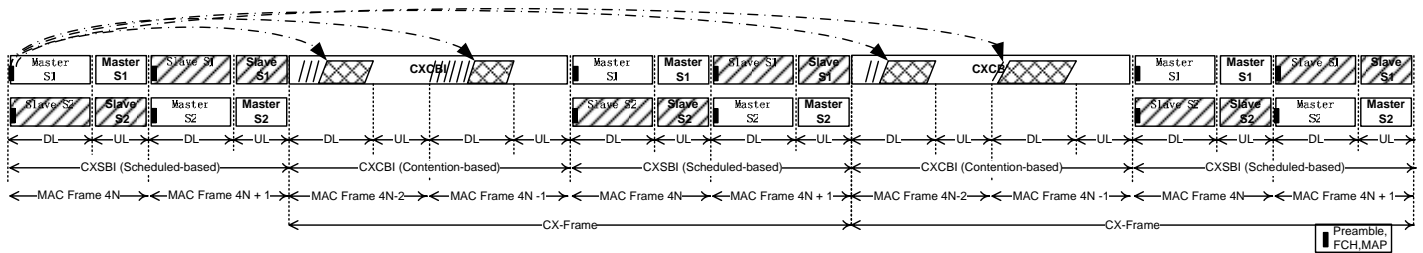


Figure h-59 Example of DL Scheduled Listen Before Talk opportunities inside the CXCW

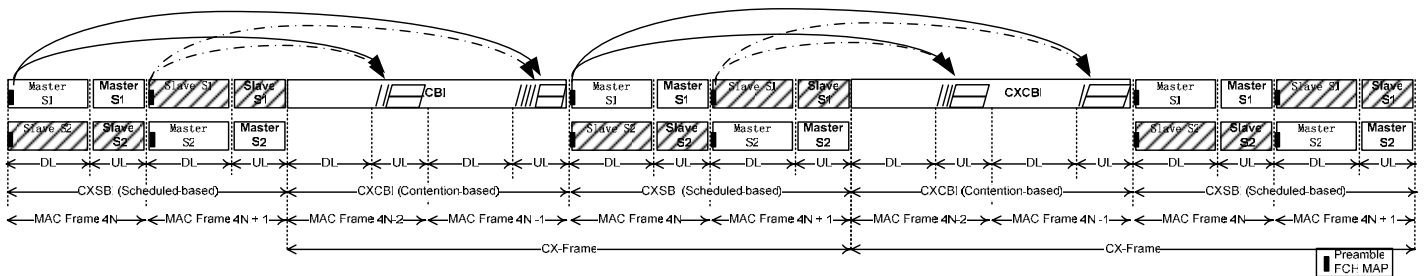


Figure h-60 Example of UL Scheduled Listen Before Talk opportunities inside the CXCW

3) For the same reason:

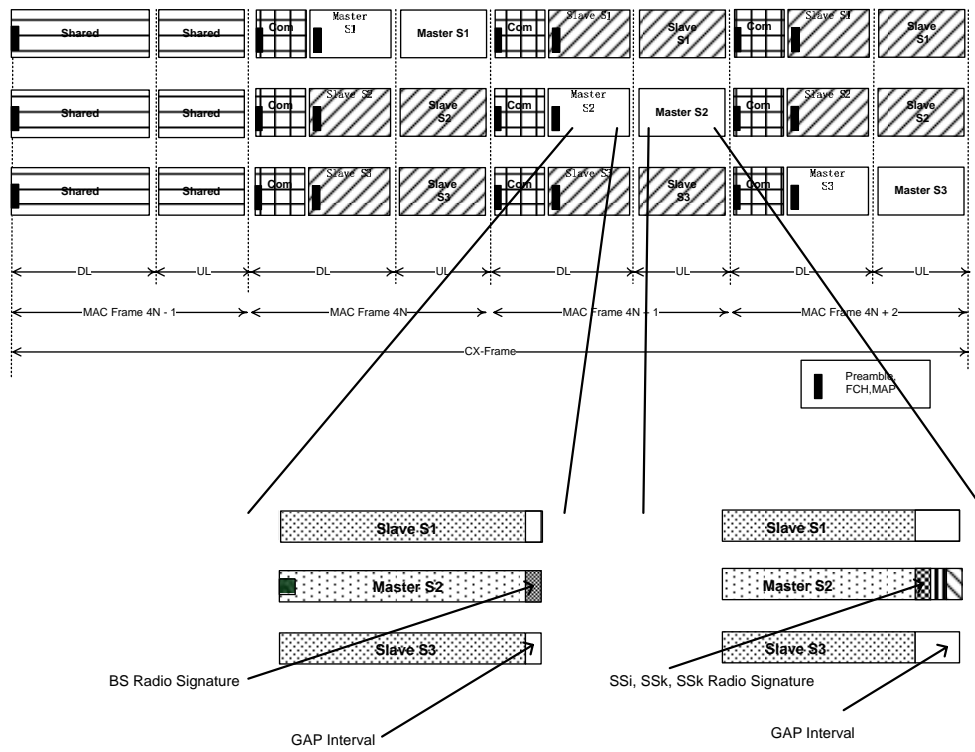


Figure h-64 Allocation of slots for BS and SS radio signature

Proposed to change into:

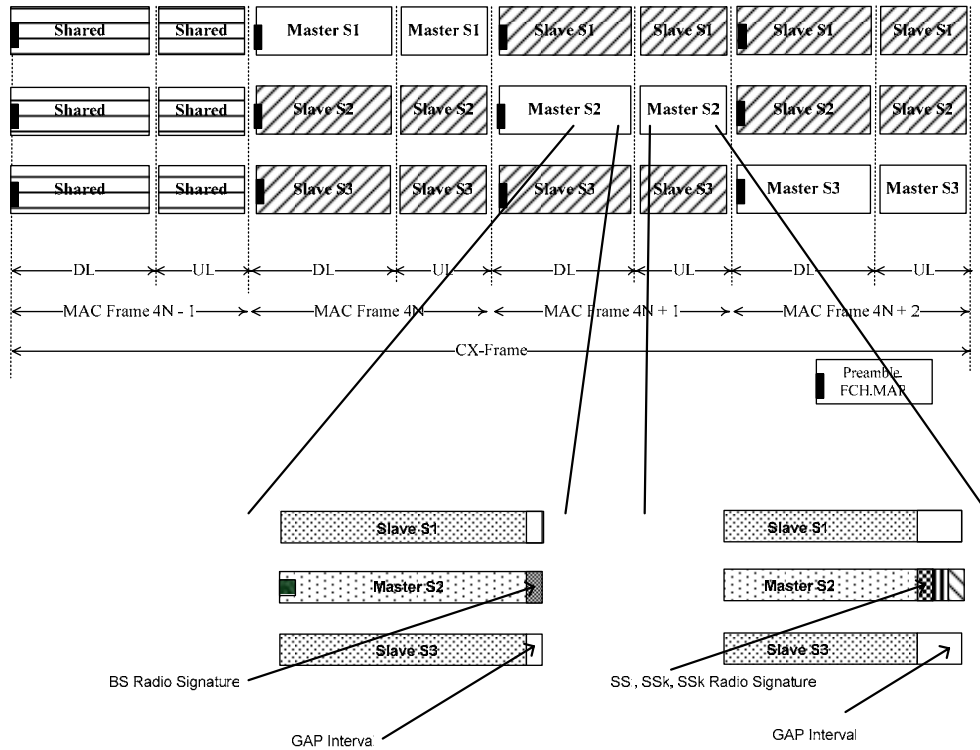
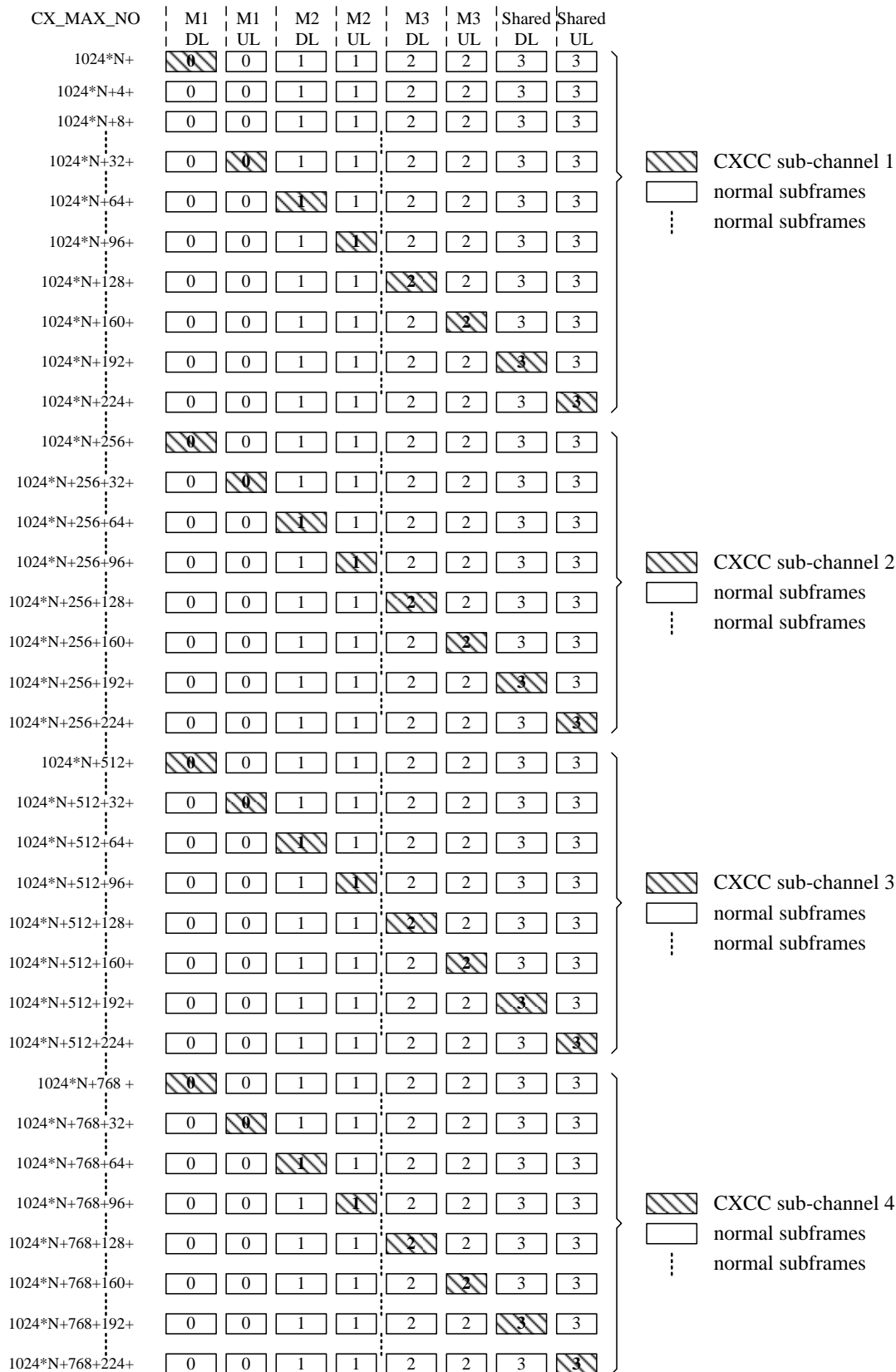
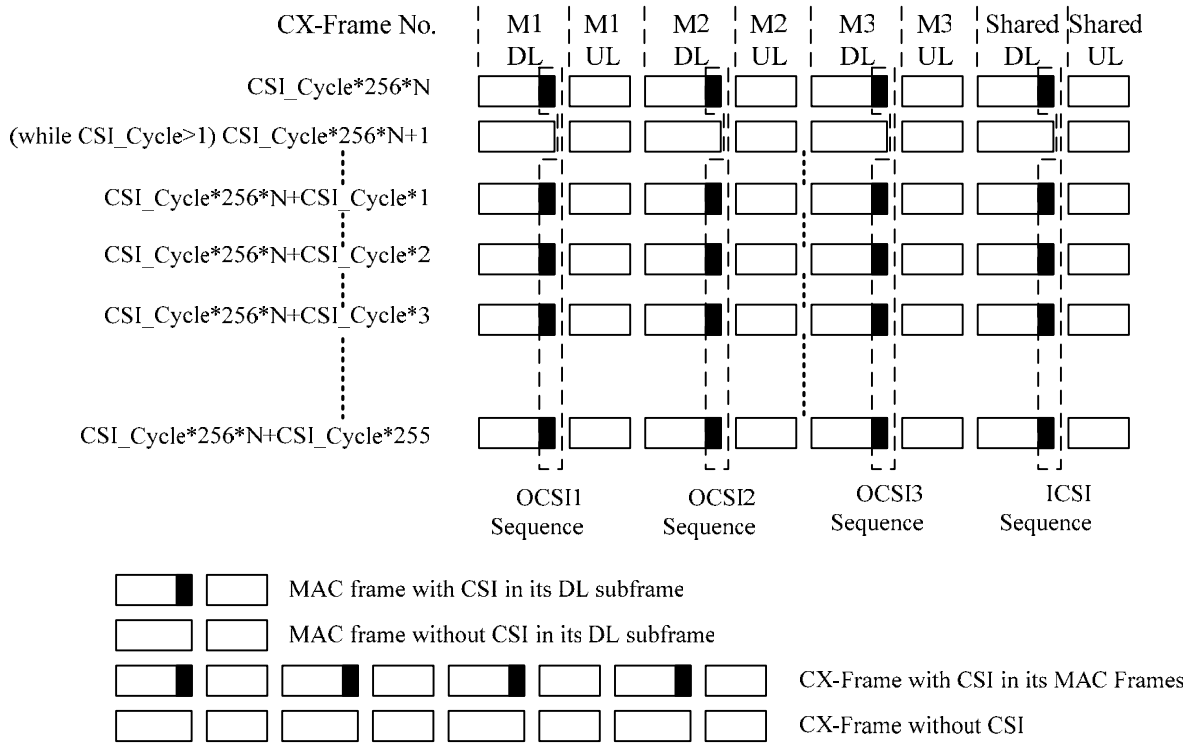


Figure h-64 Allocation of slots for BS and SS radio signature

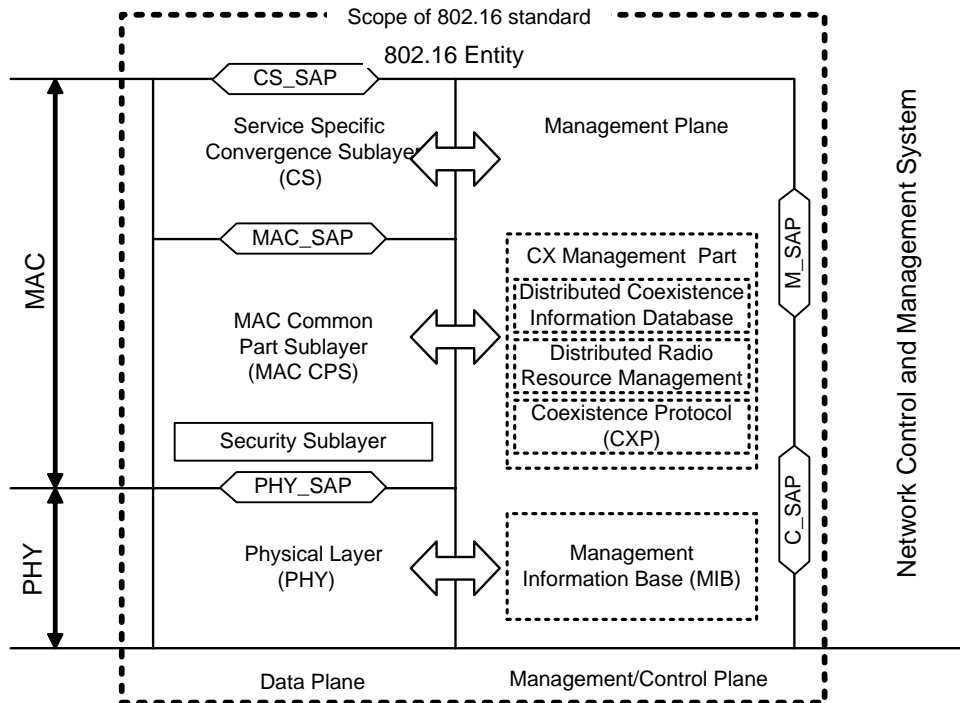
4) For comment 067, the content in D2b section 15.1.5.3 has been moved into 15.3.1, we can have a figure to show the CXCC sub-channels in 15.3.1.1(with figure title “CXCC sub-channel 1-4 allocation”):



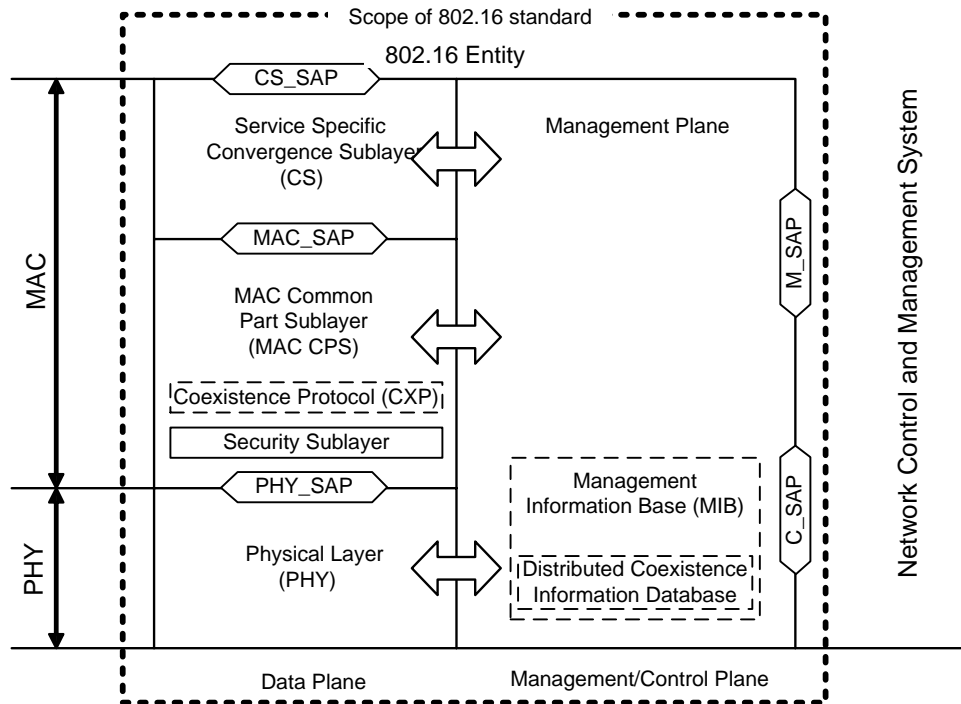
And the figure for CSI allocation is proposed into 15.3.1.2.5 (with figure title “CSI and CSI sequences allocation as a CXCC sub-channel”):



5) For comment 072, the figure h35 should be removed and the figure in section 1 may be modified accordingly:



However, the Radio Resource Management is a NCMS issue, and Distributed Coexistence Information Database should be part of the MIB, CXP should be treated as conditional part of MAC CPS, so the figure may modified as following:



More remedy may be necessary to make some other relate text and figures within 15 into chapter 1 and 14, and make further consolidation.