

Detailed presentation material:

Leo Montreuil [Scrambler for 802.3bn EPoC \(rev 01a\)](#) **Broadcom**
This presentation suggested a seed for the PHY Link scrambler, and using the same Scrambler and seed for both US & DS PCS.

Avi Kliger, [Upstream Framing \(rev 01a\)](#) **Broadcom**
Duane Remein **Huawei**
This presentation built on a presentation given in Beijing. An upstream superframe was described in detail which allows the PHY to schedule US PHY Link, PHE Discovery or Fine Ranging such that the total number of subcarriers reserved for MAC data frames is a constant.

Duane Remein [PHY Link Frame adjustments to align with US Superframe](#) **Huawei**
Avi Kliger **Broadcom**
This presentation proposed changes to the downstream and upstream PHY Link frame to align with the superframe proposals.

Duane Remein [Clause 45 Changes for US Superframes \(rev 06a\)](#) **Huawei**
Avi Kliger **Broadcom**
This presentation proposed changes and additions to the Clause 45 registers to align with the Superframe proposals.

11:45 AM recessed for lunch, 1:12 PM reconvened.

Leo Montreuil [Upstream Probe Sequence for 802.3bn \(rev 02a\)](#) **Broadcom**
11:45 AM recessed for lunch, 1:12 PM reconvened.

Leo Montreuil [Upstream PHY Discovery Preamble for 802.3bn \(rev 03a\)](#) **Broadcom**
This presentation proposed a pseudo-random sequence and seed for use in the PHY Discovery response preamble.

Leo Montreuil [Upstream Fine Ranging Preamble for 802.3bn \(rev 04a\)](#) **Broadcom**
This presentation proposed a pseudo random sequence and seed for use in the Fine Ranging response preamble.

Leo Montreuil [Upstream PHY Link Pilot Pattern for 802.3bn \(rev 05a\)](#) **Broadcom**
This presentation proposed a Pilot pattern for use in the upstream PHY Link signal.

Leo Montreuil [Using Burst Marker to signal Start and Stop RE with Upstream Data \(rev 06a\)](#) **Broadcom**
This presentation built on a presentation given in Beijing regarding burst marker structure. This refinement proposed allowing the start burst marker to point to the first subcarrier in the burst that contains MAC data. Likewise it was proposed to allow the ending burst **marker** to point to the last subcarrier in the burst that contains FEC Parity.

The group held an open discussion to socialize this day's presentations before recessing at 5:50 PM.

Thursday, 15 May 2014

9:15 AM The Chair called the meeting to order. Duane Remein assumed the Chair for comment resolution.

Held comment resolution; a total of 46 comments were resolved including 8 “E”, 4 “ER”, 26 “T” and 8 “TR”. See [P8023bn_draft0d5_Comments_Approved_Responses.pdf](#) for details.

2:05 PM – Mark Laubach resumed the Chair.

The group held an open discussion on Framing and PHY Discovery before beginning motions.

Motion# 3

Move to:

- * Adopt and incorporate in the draft the bit scrambler recommendation on pages 2, 3 and 4 of [montreuil_3bn_01a_0514.pdf](#) for the upstream PCS MAC data path function and PHY Link. The seed shall have a default value and may also be set via the PHY Link.
- * Adopt and incorporate in the draft the bit scrambler recommendation on pages 5 and 6 of [montreuil_3bn_01a_0514.pdf](#) for the downstream PCS MAC data path function and PHY Link. The seed shall have a default value and may also be set via the PHY Link.

Moved:	Leo Montreuil	Second:	Duane Remein
For:	14		
Against:	0		
Abstain:	3		
Technical ($\geq 75\%$)		Motion Passed	

Motion# 4

Move to: Adopt and incorporate in the draft the Upstream Probe Sequence recommendation on pages 2 and 3 of [montreuil_3bn_02a_0514.pdf](#) without staggering.

Moved:	Leo Montreuil	Second:	Duane Remein
For:	14		
Against:	0		
Abstain:	3		
Technical ($\geq 75\%$)		Motion Passed	

Move to: Adopt and incorporate in the draft the PHY Discovery preamble on slide 4 of [montreuil_3bn_03a_0514.pdf](#).

Moved:	Leo Montreuil	Second:	Avi Kliger
For:	10		
Against:	1		
Abstain:	6		
Technical (>= 75%)			Motion Passed

Move to: Adopt and incorporate in the draft the Upstream PHY Link Pilot Pattern on slide 2 of [montreuil_3bn_05a_0514.pdf](#) without the Complementary Pilots (CP).

Moved:	Avi Kliger	Second:	Tom Kolze
For:	11		
Against:	0		
Abstain:	3		
Technical (>= 75%)			Motion Passed

Move to: Adopt the upstream burst marker proposal in slides 3 and 4 of [montreuil_3bn_06a_0514.pdf](#) with the example shown on slide 5 for information.

Moved:	Rich Prodan	Second:	BZ Shen
For:	8		
Against:	6		
Abstain:	3		
Technical ($\geq 75\%$)			Motion Failed

Move to: Accept in bulk the comment resolutions for all Editorial comments as recorded in [8023bn Draft 0.5 Comment Proposed Responses 140507](#). Authorize the Editors to create Draft 0.6 from Draft 0.5 by incorporating approved baseline and comment resolution material from the May 2014 meeting as recorded in [Draft 0.5 Comment Approved Responses](#).

Moved:	Duane Remein	Second:	Avi Kliger
For:	15		
Against:	0		
Abstain:	0		
Technical (>= 75%)		Motion Passed	

Meeting Attendance

The following represents the attendance for the formal portion of this interim meeting as initialed in the attendance binder that was passed around the meeting each day. 27 individuals indicated their attendance for this meeting. If an attendee has an affiliation in addition to or different from their Employer for this meeting, it should be noted.

<u>Lastname</u>	<u>Firstname</u>	<u>Employer</u>	<u>Affiliation (If Different)</u>	<u>Wed</u>	<u>Thu</u>	<u>Fri</u>
Agata	Naoki	KDDI		X	X	X
Allard	Michel	Cogeco Cable		X	X	X
Boyd	Ed	Tibit Communications	Xingtera	X	X	*
Chang	Xin	Huawei			X	
ElBakoury	Hesham	Huawei		X	X	X
Gorshe	Steve	PMC-Sierra			X	
Hajduczenia	Marek	Bright House Networks		X		X
Hou	Victor	Broadcom		X	X	X
Kliger	Avi	Broadcom		X	X	X
Knittle	Curtis	CableLabs		X	X	X
Kolze	Tom	Broadcom		X	X	X
Kramer	Glen	Broadcom		X		
Laubach	Mark	Broadcom		X	X	X
Lin	Rong	Luster Light Tech Group Beijing		X	X	X
Lin	Rujian	Shanghai Luster Teraband Photonics		X	X	X
Liquan	Yuan	ZTE Corp		X	X	
Mallette	Edwin	Bright House Networks		X		
Montreuil	Leo	Broadcom		X	X	X
Noll	Kevin	Time Warner Cable		X	X	X
Peters	Michael	Sumitomo		X	X	
Prodan	Rich	Broadcom		X	X	X
Rahman	Saifur	Comcast		X	X	X
Remein	Duane	Huawei		X	X	X
Shen	BZ	Broadcom			X	
Ulm	John	Arris		X	X	
Zhang	Bing	Xidian University		X		
Zhang	Jin	Marvell Semiconductor		X	X	X

Note 1: The imat.ieee.org Attendance Tool is the formal recording mechanism for attendance records while present at an IEEE 802.3 working group or subgroup meeting. The P802.3bn attendance recorded here is for backup purposes as needed.

Note 2: Friday's meeting attendance is indicated as follows: "X" denotes attendance during the start of the formal meeting through adjournment and includes attendance for the informal ad hoc session. "*" denotes attendance for the informal ad hoc session as noted by The Chair.