C/ 00 SC 0 P1 L1 # 174 Frazier, Howard **Broadcom Corporation**

Comment Type TR Comment Status A doc-structure

This is a general comment regarding the structure of the draft amendment.

As an amendment to IEEE Std 802.3, the material in this draft will eventually be folded into the base standard. When this happens, the definitions for the 100BASE-X and 1000BASE-X Physical Coding Sublayers will be substantially changed, and the changes will be difficult to discern. The definitions for the MII and GMII will also be substantially changed.

The 100BASE-X and 1000BASE-X PCSs are used for many other port types besides 100BASE-TX and 1000BASE-KX. Among these are 100BASE-FX. 100BASE-LX10. 100BASE-BX10, 1000BASE-SX, 1000BASE-LX, 1000BASE-CX, 1000BASE-LX10, 1000BASE-BX10, 1000BASE-PX10, 1000BASE-PX20, 10G/1GBASE-PRX-D/U1, 10G/1GBASE-PRX-D/U2, and 10G/1GBASE-PRX-D/U3.

These port types are not included in the set of objectives for P802.3az, and the specifications for the PCS and MII for these port types must not be changed or effected in any way by P802.3az. Each of these port types must have a current IEEE Std 802.3 PCS and MII to reference.

SuggestedRemedy

There are many ways to solve this problem. I prefer the following approach:

- 1. Preserve the definitions for the MII. GMII. 100BASE-X PCS, and 1000BASE-X PCS without change.
- 2. Define the changes required to support EEE in a set of normative annexes. i.e. Annex 24A for Clause 24, and Annex 25A for Clause 25, etc. Example text for Annex 24A and Annex 25A have been provided by me to the task force chair.
- 3. Refer to these normative annexes from the body of Clause 78.

Response Response Status U

ACCEPT IN PRINCIPLE.

See response to Comment #410

P1 C/ 00 SC 0 **L1** # 509 Booth, Brad AppliedMicro

Comment Type TR Comment Status D

In reading through the draft. I've noticed statements such as:

While RX DV is de-asserted, the PHY may indicate that it is receiving low power idle by asserting the RX ER signal while driving the value <01> onto RXD<7:0>.

May also implies may not. This method appears to be used multiple times throughout the draft to avoid the addition of PICS requirements associated with LPI. In the case of the statement above, the only way to indicate LPI across the GMII is to de-assert RX DV, assert RX ER and drive 0x01 onto RXD. The statement should be such to indicate a PHY with LPI capabilities shall use that signalling to indicate LPI detection across the GMII. And there should be a PICS entry for it.

SuggestedRemedy

This draft should be scrubbed to make sure that behaviors that differ between LPI and non-LPI have appropriate shall statements and PICS entries with an LPI capability associated with them. Otherwise, conformance testing this will be open to interpretation and confusion.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

This comment was not considered by the BRC and the above response is a proposed response.

This comment will be re-submitted for consideration at the Nov plenary along with all other comments received on D2.1.

C/ 00 SC 0 P1 L 25 # 190 ahiasi, ali Broadcom

Comment Type TR Comment Status A

EEE is modifying some of the earlier 802.3 clauses adding optional EEE/LPI support, some of the state diagram are getting too complicated to know what is required and what is added for EEE

SuggestedRemedy

Propose to duplicate the state diagram in earlier clauses instead of changing them so it is clear what is optional EEE

Response Response Status W

ACCEPT IN PRINCIPLE.

See response to comment #410

doc-structure

Cl **00** SC **0** P**27** L**50** # [196] Grow. Robert Intel

Comment Type ER Comment Status A

editina instructions

The style manual 21.2.1 isn't followed for numbering inserts, where for example, 22.2.2.6A would follow 22.2.2.6, it doesn't precede it and the draft insert instructions do not indicate a convention other than that of the style manual.

SuggestedRemedy

Don't insert a TX subclause in the middle of receive subclauses. If the style manual convention is being used, what is currently 22.2.2.6a should be 22.2.2.5A. If not following the style manual all change instructions need to be clear about the insertion point. Fix all inserts consistently.

Response Response Status **U**

ACCEPT IN PRINCIPLE.

Use explicit insert instructions. When the base text is from an approved amendment indicate the amendment in parenthesis.

Use lowercase alphabetic indication for a new subclause, table or figure to avoid disrupting the numbering of subsequent amendments.

When inserting a new subclause at a level it is x.x.0a

Coordinate numbering with 802.3ba. WG chair will help resolve any issues that arise from the coordination.

C/ 14 SC 14.1.1 P16 L21 # 511

Booth, Brad AppliedMicro

Comment Type TR Comment Status D

The note is a bit confusing. It appears to be talking about implementation strategies rather than conformance issues. The critical issue the note needs to call to attention is conformance and interoperability.

SuggestedRemedy

Change note to read:

NOTE - A 10BASE-Te PHY may not support operation with a 10BASE-T PHY unless the minimum cabling requirements for 10BASE-Te are met.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

This comment was not considered by the BRC and the above response is a proposed response.

This comment will be re-submitted for consideration at the Nov plenary along with all other comments received on D2.1.

C/ 14 SC 14.1.1.1 P17 L15 # 512

Booth, Brad AppliedMicro

Comment Type TR Comment Status D

TIA/EIA-568-A is obsolete and has been superceded by 568-B. From my understanding, unlike ISO/IEC, TIA Category 5 is unchanged between 568-A and 568-B.

SuggestedRemedy

Update reference to 568-B.

Update throughout Clause 14.

Proposed Response Status W

PROPOSED ACCEPT.

This comment was not considered by the BRC and the above response is a proposed response.

The change will not be made in D2.1

This comment will be re-submitted for consideration at the Nov plenary along with all other comments received on D2.1.

C/ 14 SC 14.4.1 P 22 L 43 # 457 Thompson, Geoff **GraCaSI**

Comment Status R Comment Type ER

I find no text added anywhere to clause 14 that states or even gives a hint of the compatibility between 10BASE-T and 10BASE-Te. How is a customer to know how to mix the two on a network?

Further, the text in 14.4.1 is not correct in the current market and proposed context.. The word "Since is inappropriate. That is, it is no longer the case that we believe that "a significant number of 10BASE-T networks are expected to be installed utilizing in-place unshielded telephone wiring" rather, the market has evolved to the extent that most telephones and networks (especially autonegotiating multi-speed adapters) are expected to utilize Category 5 or better cabling.

SuggestedRemedy

Rewrite the introductory paragraph to better reflect both the current market AND still make provision for the historical context that made use of "left-over" telephone wiring. Also, add a new subclause to clause 14 to address the topic of cross compatibility between 10BASE-T and 10BASE-Te, i. e. the two MDI can be freely mixed as long as the cabling meets the requirements for 10BASE-Te.

Response Response Status W

REJECT.

Interoperability between 10BASE-T and 10BASE-Te is addressed in 14.1.1.1 (i).

The first paragraph in 14.4.1 is text from the original standard and was not future-proof when originally written. It is not the objective of this task force to correct such text.

There changes to 14 based on resolution of comment #356

C/ 14 SC 14.4.1 P 22 L 48 # 458 Thompson, Geoff **GraCaSI**

ER Comment Status R Comment Type

This new text is in the wrong place. It is not "overview" text. (I do recognize that it was "stuck" here in order to avoid the sticky issue of restructuring and renumbering subclauses.)

SuggestedRemedy

Move to within the context of 14.4.2. I recognize that there may be restructuring necessary in order for this to end up as a clean, well-structured clause.

Response Response Status W

REJECT.

The text in consistent with the rest of the overview clause.

Р C/ 14 SC 14.5.2 1 # 460

Thompson, Geoff **GraCaSI**

Comment Type Comment Status R

14.5.2 mandates that any port that offers MDI-X connectivity shall be marked with an "X". That mandate makes no allowance for current technology in which many PHY implementations are not of a fixed configuration with respect to the cross-over function. I expect many implementations of 10BASE-Te to have automatic MDI-X correction.

SuggestedRemedy

Revise text so that the X labeling requirement only applies to ports with fixed MDI/MDI-X configuration. It would be nice if we could all agree on a single character width symbol for auto-correction.

Response Response Status W

REJECT.

This comment requests a change to the base standard that is not impacted by the changes made for 10BASE-Te.

It should be submitted as a maintenance request to the base standard.

C/ 14 SC 14.8 P 23 # 459 L 51

Thompson, Geoff GraCaSI

Comment Type ER Comment Status A

The text: "e) 10BASE-T or 10BASE-Te support" is likely to produce a label that ends up saying "Supports 10BASE-T or 10BASE-Te" which is not the intent

SuggestedRemedy

Change text to read: "Which of the two specifications is implemented, i.e. '10BASE-T' or '10BASE-Te' (not both)."

Response Response Status W

ACCEPT.

Also see comment #256.

Cl 22 SC 22.2.1 P25 L9 # 516

Booth, Brad AppliedMicro

Comment Type ER Comment Status D

Inconsistent use of the term low power idle. For example, in 22.2.1 it is all in lower case. In 22.7a, it is Low Power Idle.

SuggestedRemedy

Scrub the draft to use low power idle in a consistent manner.

Proposed Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Should be resolved by responses to comment # 260

This comment was not considered by the BRC and the above response is a proposed response.

This comment will be re-submitted for consideration at the Nov plenary along with all other comments received on D2.1.

Cl 22 SC 22.2.2.4 P27 L42 # 195

Grow, Robert Intel

Comment Type TR Comment Status A

Awkard and possibly misleading text.

SuggestedRemedy

The PHY shall interpret the combination of TX_EN deasserted, TX_ER asserted and TXD<3:0> equal to 0001 shown in Table 22-1 as a request to enter, or remain in low power idle. Other values of TXD<3:0> with this combinition of TX_EN and TX_ER shall have no effect upon the PHY.

Response Status U

ACCEPT IN PRINCIPLE.

Also change in the same style as suggested by comment #479

"For EEE capability, the RS shall use the combination of TX_EN deasserted, TX_ER asserted and TXD<3:0> equal to 0001 shown in Table 22-1 as a request to enter, or remain in low power idle. Other values of TXD<3:0> with this combinition of TX_EN and TX_ER shall have no effect upon the PHY."

Cl 22 SC 22.2.2.6a P28 L46 # 167

Frazier, Howard Broadcom Corporation

Comment Type TR Comment Status R

What do the little triangles in Figure 22-6a represent? The figure presents what appears to be a timing diagram that shows the relationship between various logical signals. How does an abstract service primitive fit into a logical timing diagram, and what does a triangle indicate?

SuggestedRemedy

Remove the abstract service primitive from the timing diagram, and then implement the Suggested Remedy in my general comment concerning the structure of the draft amendment.

Response Status U

REJECT.

The diagram is based on the proposal "law_01_1108" that was adopted as the baseline for this section.

The representation of PLS_CARRIER.indication adds clarity to the diagram without any ambiguity.

This diagram would be present regardless of the document structure chosen.

Cl 22 SC 22.7a.2.3 P32 L15 # 165
Frazier, Howard Broadcom Corporation

Comment Type TR Comment Status R

A state diagram in the MII clause. Wow. Why can't the PHY assert/deassert the CRS signal to indicate when the transmit path is in LPI?

SuggestedRemedy

Take out the state diagram. The 100BASE-TX PHY with LPI should be responsible for asserting and deasserting CRS, and then implement the Suggested Remedy in my general comment concerning the structure of the draft amendment.

Response Status U

REJECT.

In favor of accepting the proposed reject:

Yes: 15 No: 0 Abstain: 7

The state machine in the Reconcilliation Sublayer was the cornerstone of the baseline (law_01_1108) that was adopted by the Task Force.

It was considered advantageous to have the control of the PLS_CARRIER.indication in the RS for a number of reasons:

- 1. It keeps the PHY receive and transmit paths separate (the PHY considers CRS to be part of the receive path).
- 2. It allows the PHY to go to sleep without having to maintain state & control the wake process.
- 3. It keeps the "data holdback" function close to the MAC and egress buffers, where it would be implemented in most designs.
- 4. It frees the PHY from having to participate in the wake time negotiation process (that is controlled using LLDP frames).
- 5. It works for PHYs that operate at speeds greater than 1Gbps, so the same mechanism can be used for all speeds.

The state diagram would be present (or deleted according to the comment) whether the proposed changes to the document are accepted or not.

Cl 24 SC 24.1.1 P34 L10 # 462

Thompson, Geoff GraCaSI

Comment Type TR Comment Status A 230

There is mention of an "LPI agent" in this clause as the active element that causes the 100BASE-X PHY to go back and forth between LPI and normal operation. I find it strange that (a) there is no definition or specification of an LPI agent nor even any mention of it anywhere else in the draft, not even in the other clauses where one would expect a parallel use of such an agent to cause the same sort of switch for the other LPI PHYs (except 10BASE-Te)

SuggestedRemedy

Fully definne and specify the operation and service interfaces for the activating function for LPI (be it an "LPI agent" or other mechanism). Further, have that mechanism act on each of the LPI PHYs in a manner that is architecturally consistent across the entire standard.

Response Status W

ACCEPT IN PRINCIPLE.

Please refer to comment #230 for the suggested modification

C/ 24 SC 24.8 P50 L1 # 518

Booth, Brad AppliedMicro

Comment Type TR Comment Status D

There is a *LPI capability that is defined. This capability has a direct impact on the functions performed by the PCS and PMA, yet the only new PICS are for the timers.

SuggestedRemedy

Shalls are needed to help define the way the PCS and PMA functions operate in LPI mode. Scrub the clause to make sure that functions modified or impacted by LPI have a corresponding PICS capability entry.

Proposed Response Status W

PROPOSED ACCEPT.

See response to comment #474 which partially addresses this comment.

This comment was not considered by the BRC and the above response is a proposed response.

This comment will be re-submitted for consideration at the Nov plenary along with all other comments received on D2.1.

Cl 25 SC 25.4.11 P53 L41 # 520

Booth, Brad AppliedMicro

Comment Type ER Comment Status D

It would be better to promote the Ethernet Efficient Ethernet to its own heading2 level. The volume of information here probably should not be buried as an exception.

SuggestedRemedy

Promote 25.4.11 to be 25.5 and modify the PICS from 25.5 to 25.6.

Proposed Response Response Status W

PROPOSED ACCEPT.

This comment was not considered by the BRC and the above response is a proposed response. The change will not be made in D2.1.

This comment will be re-submitted for consideration at the Nov plenary along with all other comments received on D2.1.

Cl 25 SC 25.4.11 P53 L 45 # 521

Booth, Brad AppliedMicro

Comment Type TR Comment Status D

Sentence calls the subclause a clause and labels as optional. Given the volume of information and the need to conform with the information in 25.4.11, there should be a PICS entry associated with this.

SuggestedRemedy

Change sentence to read: This subclause only applies to the optional low power idle is implemented. If implemented, the operation of the PMD shall comply with the requirements in this subclause.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

This may be partly resolved by changes being made to satisfy the response to comment #250

The response to #250 does not explicitly call out the needed shall.

This comment was not considered by the BRC and the above response is a proposed response.

This comment will be re-submitted for consideration at the Nov plenary along with all other comments received on D2.1.

Cl 25 SC 25.4.6 P53 L31 # 519

Booth, Brad AppliedMicro

Comment Type TR Comment Status D

25.4.6 has three shall statements and only one PICS entry.

SuggestedRemedy

Add other PICS entries or delete unnecessary shalls.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

This may be partly resolved by changes being made to satisfy the response to comment #410 but clause 25 still needs to be scrubbed for consistency between the Shall statements and the PICS.

This comment was not considered by the BRC and the above response is a proposed response.

This comment will be re-submitted for consideration at the Nov plenary along with all other comments received on D2.1.

C/ 30 SC 30.5.1.1.21 P61 L6 # 463

Thompson, Geoff GraCaSI

Comment Type TR Comment Status A

I don't understand what this attribute indicates. Is it the state of the standard at time of implementation? Or is it the PHYs for which the PCS and higher can support EEE operation?

SuggestedRemedy

Revise "BEHAVIOUR DEFINED AS:" text to clarify.

Response Status W

ACCEPT IN PRINCIPLE.

"A read-only list of the possible PHY types for which the underlying system supports Energy Efficient Ethernet as defined in Clause 78." Comment Type ER Comment Status A

The table 45-83 and other tables in Clause 45 have been modified by P802.3ba. So the editing instructions should include the appropriate source document where the source is other than IEEE Std 802.3-2008. Also the table numbers should be changed to indicate the latest renumbered table numbers from previous amendment(s).

Also other PCS registers have been modified by the P802.3ba document (or other amendments e.g. P802.3av). So update the editing instructions and the change text as per the draft P802.3ba/D2.2.

For example change editing instruction as follows:

45.2.3.1 PCS control 1 register

Change Table 45-83 (IEEE P802.3ba/D2.2) for LPI clock control:

Update the table such that the base text is from the above source.

SuggestedRemedy

Update the Editing instrucitons and Table numbers to indicate appropriate source for base text and use the renumbered table number from appropriate amendment to 802.3-2008. Also update the base text as appropriate as per the source document (for example IEEE P802.3ba/D2.2).

Response

Response Status W

ACCEPT IN PRINCIPLE.

See comments #39, 40, 41, 42, 43

C/ 49 SC 49.2.13.3 P146 L18 # 545

Brown, Matt AppliedMicro (AMCC)

Comment Type TR Comment Status X

late

This comment reports an issue similar to that reported in comment #93 in CL 55. It relates to the state machine in Figure 49-14 and the definition of T_BLOCK_TYPE LI on pages 142 and 143. T_BLOCK_TYPE LI is specified as including cases with either 8 /LI/ or 4x/LI/+4x/I/. As the state machine in Figure 49-14 is currently defined this allows and requires transition to low power mode (TX_LI state) if either is detected. Transition to low power mode upon detection of 4x/LI/+4x/I/ should not be permitted. However, provision is required to allow for this special case while in the TX_LI state.

SuggestedRemedy

Define LII as...

"LII: If the optional Low Power Idle function is supported then LII occurs when the vector contains four /LI/ control characters followed by four /I/ control characters."

Re-define LI as..

"LI: If the optional Low Power Idle function is supported then the LI type occurs when the vector contains eight control characters of /LI/."

In Figure 49-14...

Change the criteria for transition for the following transition to include LII:

TX_C to TX_E

TX INIT to TX E

TX_D to TX_E

TX_E to TX_E

TX T to TX E

 $Change \ the \ criteria \ for \ transition \ from \ TX_LI \ to \ TX_LI \ (loop) \ to \ "T_TYPE(tx_raw) = (LI+LII)".$

Alternately, change the criteria for transition from TX_L to TX_C to "T TYPE(tx raw)=(I+LII)".

Proposed Response

Response Status W

This comment was received late and not processed at the task force meeting.

Some of the issues raised may have been resolved by the response to comments #99 and #456

C/ 49 SC 49.2.13.3.1 P148 L3 # 224
Gustlin, Mark Cisco

Comment Type TR Comment Status A

It would help to put in a text description of the behavior of each state machine, 49-16 and 49-17, what is each SM accomplishing at a high level.

SuggestedRemedy

Response Status U

ACCEPT IN PRINCIPLE.

Comment #455 may satisfy this.

C/ 49 SC 49.2.13.3.1 P149 L18 # 546

Brown, Matt AppliedMicro (AMCC)

Drown, Matt Appliedivileto (AMCC

Comment Type TR Comment Status X late

It is possible to be caught in RX_SLEEP state. The only exit conditions are detection of IDLE blocks or detection of no energy at PMA. It is possible that with a compromised signal that neither !signal_ok or IDLE will be detected.

SuggestedRemedy

Move the "start rx_tq_timer" from RX_QUIET state to the RX_SLEEP state (as proposed in Comments #425 and #448) and add a transition to RX_LINK_FAIL on "rx_tq_timer_done * signal_ok". Note that this transition is already included in the CL 49 LPI RX SM.

Proposed Response Status W

This comment was received late and not processed at the task force meeting.

Some of the issues raised may have been resolved by the response to comments #99 and #456

Cl 69 SC 69.1.1 P192 L1 # 186

Ganga, Ilango Intel

Comment Type ER Comment Status A

Clause 69 is also being amended by P802.3ba. Update the editing instructions and base text to indicate appropriate source (IEEE Std 802.3-2008 or P802.3ba).

SuggestedRemedy

As per comment

Response Status W

ACCEPT IN PRINCIPLE.

There doesn't appear to be any conflicting or overlapping changes.

Comment Status R

But editor will add editor's note to indicate P802.3ba may also affect clause 69 and, in parenthesis, and identify draft if the edit is based on a draft

7 mbrosia, com

P802.3ba will be adding the objective "a 4 lane 40Gb/s PHY. The addition by 802.3az of "Optionally support ENergy Efficient Ethernet will imply that 40GBASE-KR4 will support EEE.

SuggestedRemedy

Comment Type

Change added objective text to

"Optionally support Energy Efficent Ethernet for PHYs that support MAC rates of 10 Gb/s or lower."

Response Status U

REJECT.

P802.3az does not state anywhere that EEE supports 40G.

Cl 72 SC 72.6.4 P207 L26 # [189]
Ganga, llango Intel

Comment Type TR Comment Status A

Clause 72 supports digital signal detect mechanisms. Analog signal detect (or energy detect) was not part of this clause as it was felt that robust analog signal detect functions are difficult to define/implement in the backplane environment. (see thaler_01_0505.pdf, minutes_01_0505.pdf). Hence define a suitable digital signaling mechanism to exit from the low power idle state.

SuggestedRemedy

As per comment

Response Status W

ACCEPT IN PRINCIPLE.

At this point there is no clear alternative to a basic energy detect to waking up the PHY from sleep.

The receiver is just required to wake up within a certain time after detecting the electrical energy on the diff signal pair from a compliant, enabled transmitter.

The original KR signal_detect would not work for EEE because it requires that training to be complete before it could wake up the receiver. This was believed to be too long and we needed something to wake the PHY's receiver prior to that.

For EEE, the KR's transmit coefficients and receive equalization state are assumed to be saved before going quiet and quickly restored after wake so it can sync and lock much more quickly.

Changes were made to the state diagrams (see response to comment #425) to fix the observable behavior that may be caused by false detection. There is concern that the energy detect threshold level and detection circuitry could cause unnecessary activity in the receiver (due to noise and cross-talk).

CI 74 SC 74.5 P214 L12 # 184

Ganga, Ilango Intel

Comment Type ER Comment Status A

Underline new primitive defined in item e) RX_LPI_ACTIVE

Also subclause numbering and Figure numbers for functional block diagrame are incorrect. Update the numbering as per the base spec (for example 74.0.1 should be 74.4.1 and Figure 74-1 should be Figure 74-2).

SuggestedRemedy

Response Status W

ACCEPT IN PRINCIPLE

Please refer to comments 364 and 8

Cl 74 SC 74.7 P216 L22 # 185

Ganga, Ilango Intel

Comment Type ER Comment Status A

Clause 74 is also being amended by P802.3ba. So where appropriate update the editing instructions to indicate the appropriate base text (IEEE Std 802.3-2008 or P802.3ba/D2.2).

SuggestedRemedy

As per comment

Response Response Status W

ACCEPT.

Comment Type ER Comment Status A

Primitives are not signals, and as I recall, timing requirements can't be placed on the primitive, only on the layers causing generation of a primitive.

SuggestedRemedy

Needs thought and proper specification on the timing in multiple places in the standard.

All text (e.g., assert and deassert functions) related to service primitives needs to be reviewed for any language that reflects continuous visibility of a primitive value between (sub)layers to only a change in value being signaled by a primitive.

Response Status U

ACCEPT IN PRINCIPLE.

Change the two sentences on lines 17 and 18, page 228 from:

"LPI_IDLE.request shall not be set to ASSERT unless the attached link is operational (i.e. link_status = OK, see 28.2.6.1.1). LP_IDLE.request shall remain set to DEASSERT for 1 second following the change of link_status to OK."

to:

"The effect of receipt of this primitive is undefined if link_status is not OK (see 28.2.6.1.1) or if LPI_REQUEST=ASSERT within 1 second of the change of link_status to OK."

Cl 78 SC 78.1.2.1.4 P228 L26 # 202

Grow, Robert Intel

Comment Type TR Comment Status A

Is signaling of LPI between an RS and its link partner, or between the RS and the lower parts of the PHY? If the PHY has no option to signal the request, then the language is appropriate, but it seems inconsistent with MII text describing the xMII signals. The effect of the primitive is to generate signals on the MII and that isn't specified here, but should be.

SuggestedRemedy

Assure MII clause are consistent in what layer is signaling to what peer layer, and that any additional requirements on conveying the LPI request in lower sublayers is properly represented. Add generic text that covers the three MII types -- how the assert or deassert is signaled, can probably be generic using the MII definition of assert low power idle.

Response Status U

ACCEPT IN PRINCIPLE.

The PHY has no option to signal the request so the language is appropriate however editor will look into adding clarifying text as in the suggested remedy.

Editor to check if that this is clear in the xMII clauses.