

Next-Page Sequence for EEE

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Never stop thinking

Supporters

- Your name here.
- ...



Issue

- Since clause 40 Next-Pages became mandatory.
- Within clause 40 (Annex40C) the ordering of the Next-Pages have been defined
- Within clause 40 (Annex40C) the mandatory clause 40 relevant Next-Pages must be sent autonomously
- In the current Draft 2.0 additional Next-Pages have been defined to advertize the EEE features
- However, it is not yet defined in which order they must be sent in addition to the existing PHY Next-Pages.
- Especially legacy PHYs like 100base-TX did not require any Next-Pages up to now which will change
- Existing tests will fail (see also UNH ANEG Test-Suite)



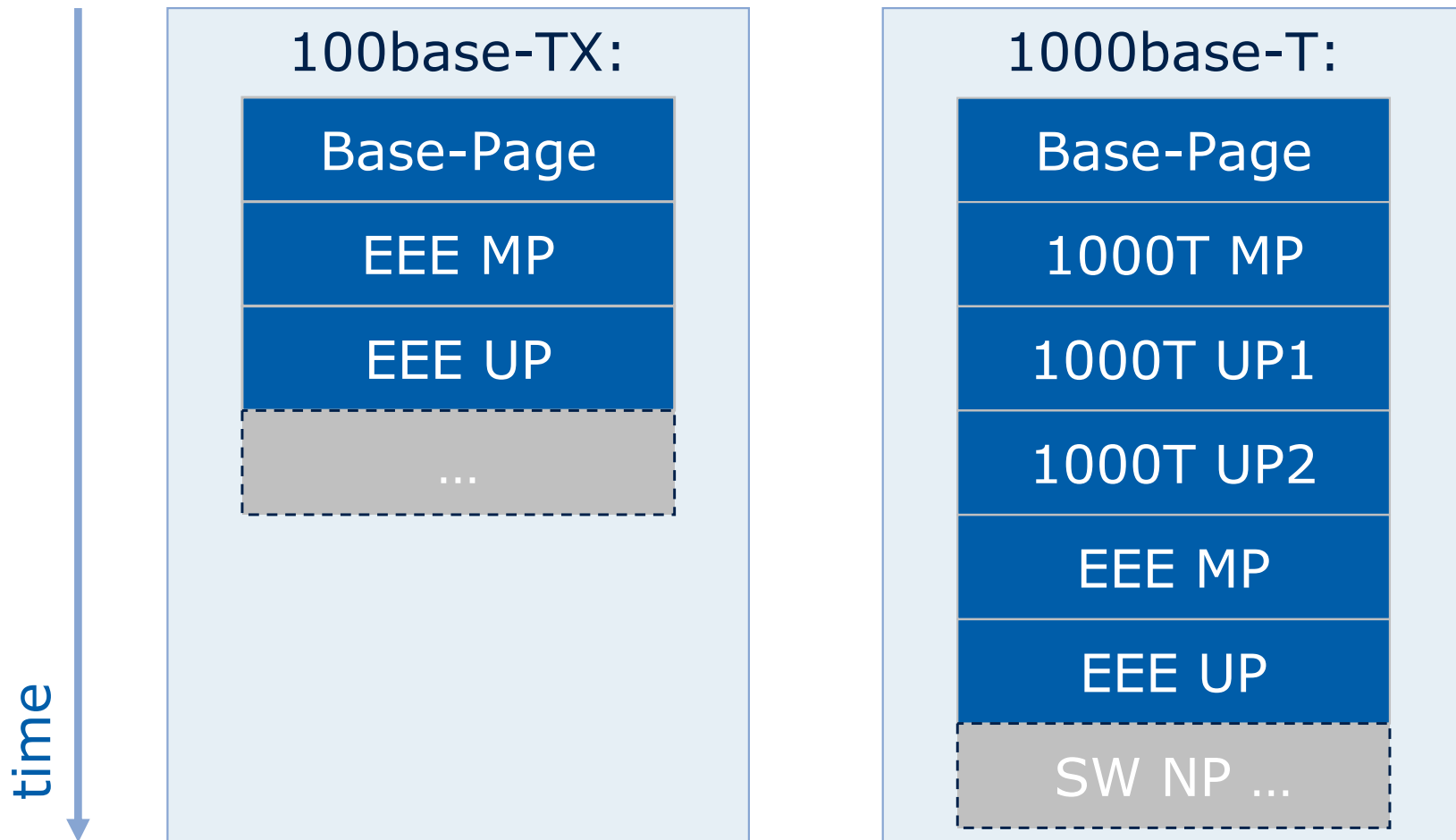
Proposal

- Define a sequence ordering of the exchanged Next-Pages which is mandatory
- Define that these pages are sent autonomously before the SW Next-Pages



Next-Page Sequencing

- Simple Approach: Append the EEE MP and EEE UP to the end of the existing Base/Next-Page sequences in all PHY standards
- Examples:



Required Standard changes

- Change Annex 40C:
 - Include EEE MP and EEE UP into Figure 40C-2
 - Include EEE MP and EEE UP into Figure 40C-3
- Add and Annex 25A which describes the clause 25 Next-Page ordering/autonomous for EEE pages similar to Annex 40C
- 10GBase-T ???
 - The concept shall be applies similarly to Extended Next-Pages

