P802.3dm proposed Clause 30

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Purpose

- Clause 30 updates are required for all new PHYs

- Much of the required information is not dependent on the duplexing method

- Where the duplexing method is included, I have used TBD for the 100 Mb/s communication

30.3.2.1.2 aPhyType

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.3.2.1.2 after the entry for "2.5GBASE-T1" as follows:

2.5G+100MBASE-T1/V1	Clause 200 2.5 Gb/s PAM2 transmit, 100 Mb/s TBD receive
100M+2.5GBASE-T1/V1	Clause 200 100 Mb/s TBD transmit, 2.5 Gb/s PAM2 receive

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.3.2.1.2 after the entry for "5GBASE-T1" as follows:

5G+100MBASE-T1/V1	Clause 200 5 Gb/s PAM2, 100 Mb/s TBD receive
100M+2.5GBASE-T1/V1	Clause 200 100 Mb/s TBD transmit, 5 Gb/s PAM2 receive

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.3.2.1.2 after the entry for "10GBASE-T1" as follows:

10G+100MBASE-T1/V1	Clause 200 10 Gb/s PAM4, 100 Mb/s TBD receive
100M+2.5GBASE-T1/V1	Clause 200 100 Mb/s TBD transmit, 10 Gb/s PAM4 receive

30.3.2.1.3 aPhyTypeList

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.3.2.1.3 after the entry for "2.5GBASE-T1" as follows:

2.5G+100MBASE-T1/V1   Clause 200 2.5 Gb/s PAM2 transmit, 100 Mb/s TBD receive
100M+2.5GBASE-T1/V1   Clause 200 100 Mb/s TBD transmit, 2.5 Gb/s PAM2 receive

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.3.2.1.3 after the entry for "5GBASE-T1" as follows:

5G+100MBASE-T1/V1   Clause 200 5 Gb/s PAM2, 100 Mb/s TBD receive
100M+2.5GBASE-T1/V1   Clause 200 100 Mb/s TBD transmit, 5 Gb/s PAM2 receive

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.3.2.1.3 after the entry for "10GBASE-T1" as follows:

10G+100MBASE-T1/V1   Clause 200 10 Gb/s PAM4, 100 Mb/s TBD receive
100M+2.5GBASE-T1/V1   Clause 200 100 Mb/s TBD transmit, 10 Gb/s PAM4 receive

30.5.1.1.2 aMAUType

Insert the following new entries in the APPROPRIATE SYNTAX section of 30.5.1.1.2 after the entry for "2.5GBASE-T1" as follows:

2.5G+100MBASE-T1	Single balanced pair of conductors PHY as specified in Clause 200
100M+2.5GBASE-T1	Single balanced pair of conductors PHY as specified in Clause 200
2.5G+100MBASE-V1	Coaxial Cable PHY as specified in Clause 200
100M+2.5GBASE-V1	Coaxial Cable PHY as specified in Clause 200

Insert the following new entries in the APPROPRIATE SYNTAX section of 30.5.1.1.2 after the entry for "5GBASE-T1" as follows:

5G/100MBASE-T1	Single balanced pair of conductors PHY as specified in Clause 200
100M+5GBASE-T1	Single balanced pair of conductors PHY as specified in Clause 200
5G/100MBASE-V1	Coaxial Cable PHY as specified in Clause 200
100M+5GBASE-V1	Coaxial Cable PHY as specified in Clause 200

30.5.1.1.2 aMAUType (cont'd)

Insert the following new entries in the APPROPRIATE SYNTAX section of 30.5.1.1.2 after the entry for "10GBASE-T1" as follows:

10G/100MBASE-T1	Single balanced pair of conductors PHY as specified in Clause 200
100M+10GBASE-T1	Single balanced pair of conductors PHY as specified in Clause 200
10G/100MBASE-V1	Coaxial Cable PHY as specified in Clause 200
100M+10GBASE-V1	Coaxial Cable PHY as specified in Clause 200

30.6.1.1.5 aAutoNegLocalTechnologyAbility

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.6.1.1.5 after the entry for "2.5GBASE-T1" as follows:

2.5G+100MBASE-T1	2.5G+100MBASE-T1 as specified in Clause 200
100M+2.5GBASE-T1	100M+2.5GBASE-T1 as specified in Clause 200
2.5G+100MBASE-V1	2.5G+100MBASE-V1 as specified in Clause 200
100M+2.5GBASE-V1	100M+2.5GBASE-V1 as specified in Clause 200

30.6.1.1.5 aAutoNegLocalTechnologyAbility (cont'd)

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.6.1.1.5 after the entry for "5GBASE-T1" as follows:

5G+100MBASE-T1	5G+100MBASE-T1 as specified in Clause 200
100M+5GBASE-T1	100M+5GBASE-T1 as specified in Clause 200
5G+100MBASE-V1	5G+100MBASE-V1 as specified in Clause 200
100M+5GBASE-V1	100M+5GBASE-V1 as specified in Clause 200

Insert the following new entry in the APPROPRIATE SYNTAX section of 30.6.1.1.5 after the entry for "10GBASE-T1" as follows:

10G+100MBASE-T1	10G+100MBASE-T1 as specified in Clause 200
100M+10GBASE-T1	100M+10GBASE-T1 as specified in Clause 200
10G+100MBASE-V1	10G+100MBASE-V1 as specified in Clause 200
100M+10GBASE-V1	100M+10GBASE-V1 as specified in Clause 200

Questions?

Thanks!