

Supporting Material for Comments #251, 307 - 309

John D'Ambrosia, Force10 Networks

Matt Brown, AMCC

Steve Trowbridge, Alcatel-Lucent

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Comments

- Comment #307 - Clause 82 is mandatory - not optional for 40GBASE-KR4
- Comment #308 - Clause 81 has nothing to do with 1000BASE-KX, 10GBASE-KX4, and 10GBASE-KR
- Comment #309 - Clause 81 XLGMII is not mandatory for 40GBASE-KR4. It is an optional physical interface.
- Comment #251 - Table 69-1. Clause 78 not listed.

Other Observations

- Clause 35 RS / GMII for 1000BASE-KX
 - Mandatory “RS”
 - Optional “GMII”
- Clause 46 “RS” has nothing to do with 1000BASE-KX
- Clause 46 “RS” is mandatory for 10GBASE-KX4, and 10GBASE-KR
- Clause 46 “XLGMII” is optional for 10GBASE-KR

Per Draft 3.0

Table 69-1—Nomenclature and clause correlation

Nomenclature	Clause																	
	35	36	46		48	49	51	70	71	72	73	74	81	82	83	83A	84	
	RS/GMII	1000BASE-X PCS/PMA	RS	XGMII	10GBASE-X PCS/PMA	10GBASE-R PCS	Serial PMA	1000BASE-KX PMD	10GBASE-KX4 PMD	10GBASE-KR PMD	Auto-Negotiation	10GBASE-R FEC	RS	XLGMII	40GBASE-R PCS	40GBASE-R PMA	XL/AUI	40GBASE-KR4 PMD
1000BASE-KX	O ^a	M	M				M				M		O					
10GBASE-KX4				O	M			M		M			O					
10GBASE-KR						M	M		M	M	O		O					
40GBASE-KR4										M	O	M	M	O	M	O		M

^aO = Optional, M = Mandatory

Clause 78 is not included in Table. (Optional for 1000BASE-KX, 10GBASE-KX4, and 10GBASE-KR.)

Proposed Corrected Table

Table 69–1—Nomenclature and clause correlation

Nomenclature	Clause																			
	35		36	46		48	49	51	70	71	72	73	74	78	81		82	83	83A	84
	RS	GMII	1000BASE-X PCS/PMA	RS	XGMII	10GBASE-X PCS/PMA	10GBASE-R PCS	Serial PMA	1000BASE-KX PMD	10GBASE-KX4 PMD	10GBASE-KR PMD	Auto-Negotiation	BASE-R FEC	Energy Efficient Ethernet (EEE)	RS	XLGMII	40GBASE-R PCS	40GBASE-R PMA	XLAUI	40GBASE-KR4 PMD
1000BASE-KX	M ^a	O ^a	M						M			M		O						
10GBASE-KX4				M	O	M				M		M		O						
10GBASE-KR				M	O		M	M			M	M	O	O						
40GBASE-KR4												M	O		M	O	M	M	O	M

a.O = Optional, M = Mandatory