45.2.3.30 10GBASE-PR and 10/1GBASE-PRX BER Monitor Status (Register 3.75)

The assignments of bits in the 10GBASE-PR and 10/1GBASE-PRX BER Status Register is shown in Table 45-76. This register is only required when 10GBASE-PR or 10/1GBASE-PRX ONU capability is supported.

Table 45-76 – PCS status 1 register bit definitions

Bit(s)	Name	Description	R/W
3.75.7:2	Reserved	Value always zero, writes ignored	RO
3.75.1	Latched high BER	1 = 10GBASE-PR or ~~10GBASE-PRX~~10/1GBASE-PRX PCS reported a high BER. ~~1~~0 = 10GBASE-PR or ~~10GBASE-PRX~~10/1GBASE-PRX PCS did not report a high BER.	RO/NR
3.75.0	High BER	1 = 10GBASE-PR or ~~10GBASE-PRX~~10/1GBASE-PRX PCS reporting a high BER. 0 = 10GBASE-PR or ~~10GBASE-PRX~~10/1GBASE-PRX PCS not reporting a high BER.	RO

45.2.3.30.1 10GBASE-PR and ~~10GBASE-PRX~~10/1GBASE-PRX PCS high BER (3.75.0)

~~For~~ In 10GBASE-PR and 10/1GBASE-PRX PCS, when read as ~~a~~ one, bit 3.~~x~~75.~~x~~0 indicates that the receiver is detecting ~~a~~ BER greater than the configurable threshold. ~~of~~ When read as ~~a~~ zero, bit 3.~~x~~75.~~x~~0 indicates that the receiver is detecting ~~a~~ BER ~~of~~ lower than the configurable threshold.~~.~~ This bit mirrors ~~is a direct reflection of~~ the state of the hi_ber variable~~,~~ ~~in the state diagram that is~~ defined in 76.2.3.4.

45.2.3.30.2 10GBASE-PR and ~~10GBASE-PRX~~10/1GBASE-PRX PCS latched high BER (3.75.1)

In 10GBASE-PR and 10/1GBASE-PRX PCS, ~~When~~ when read as~~a~~ one, bit 3.~~x~~75.~~x~~1 indicates that the receiver detected ~~that the 10GBASE-PR or the 10GBASE-PRX PCS has detected a high~~ BER greater than the configurable threshold (high BER state).~~>~~ When read as ~~a~~ zero, bit 3.~~x~~75.~~x~~1 indicates that the receiver detected BER lower than the configurable threshold (low BER state). ~~10GBASE-R or the 10GBASE-T PCS has not detected a high BER.~~

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The latched high BER shall be implemented with latching high behavior.

This bit is a latching high version of the 10GBASE-PR and 10/1GBASE-PRX high BER status bit (3.75.0).