

## Product Specific PHY Register Page (Proposal)

Lou Fasano

The product specific page is an optional page which may be used by PHY vendors as they deem necessary for their product (eg. debug aids, test functions). The page is selected by writing seven to *Page\_select* in the PHY register at address 0111<sub>2</sub>. The format of the product specific page will be defined by the PHY vendor for each product (as illustrated in Table-1).

Additional product\_specific register space is available by using the five bit *port\_select* field of the PHY register at address 0111<sub>2</sub>, in conjunction with the *page\_select* field set to seven. This would be a way to provide product specific information which is also port specific. PHY vendors have complete freedom in defining register information accessed within the product\_specific register page (ie. when *page\_select* = 111<sub>2</sub>).

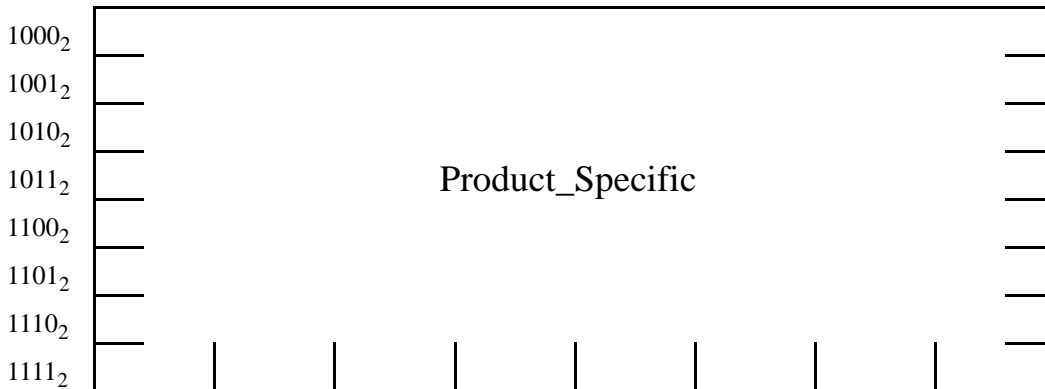


Figure 1 -- PHY register page 7: Product Specific page

The definition of the register field(s) within the Product Specific page are defined, for any given PHY, by the PHY vendor (see Table-1 below):

**Table 1:**

Field	Size	Type	Description
Product_Specific	64	read and/or write	This optional field may be used by PHY vendors as needed for their specific product(s).