

Availability of optical units for 10 Gbit/s optical according to specification in D3.1

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Background for Availability evaluation

- **System level Equipment suppliers need multi-source component supply**
- **Doing it in the own company does not always guarantee lowest cost which is not only a 802.3 criteria but also a must from market prospective**
- **Number of component manufacturers are present on 10 G market, compliance to new specification needs to be evaluated**
- **System vendors try to use commercial modules due to higher economy of scale**



Summery of information gathered from various component vendors

- Responses reaching from:
 - we need to discuss/ will respond later /we are studying specification
 - we will have this in the future and it will be cheap
 - we will have it , it is more stringent than current (SONET) spec but due to high numbers it probably will become cheap also
- No direct straight forward compliance statement received
- Receiver sensitivity seems to be a critical parameter
- Jitter spec seems to be an issue to be solved with “next generation” technology as indicated by some responses



Conclusion for 10G Ethernet Phy

- **Specification of optical and jitter parameters needs to be revised to allow use of component technology available on the market**

