

Survey of Operators on 40 GE longer distance transport

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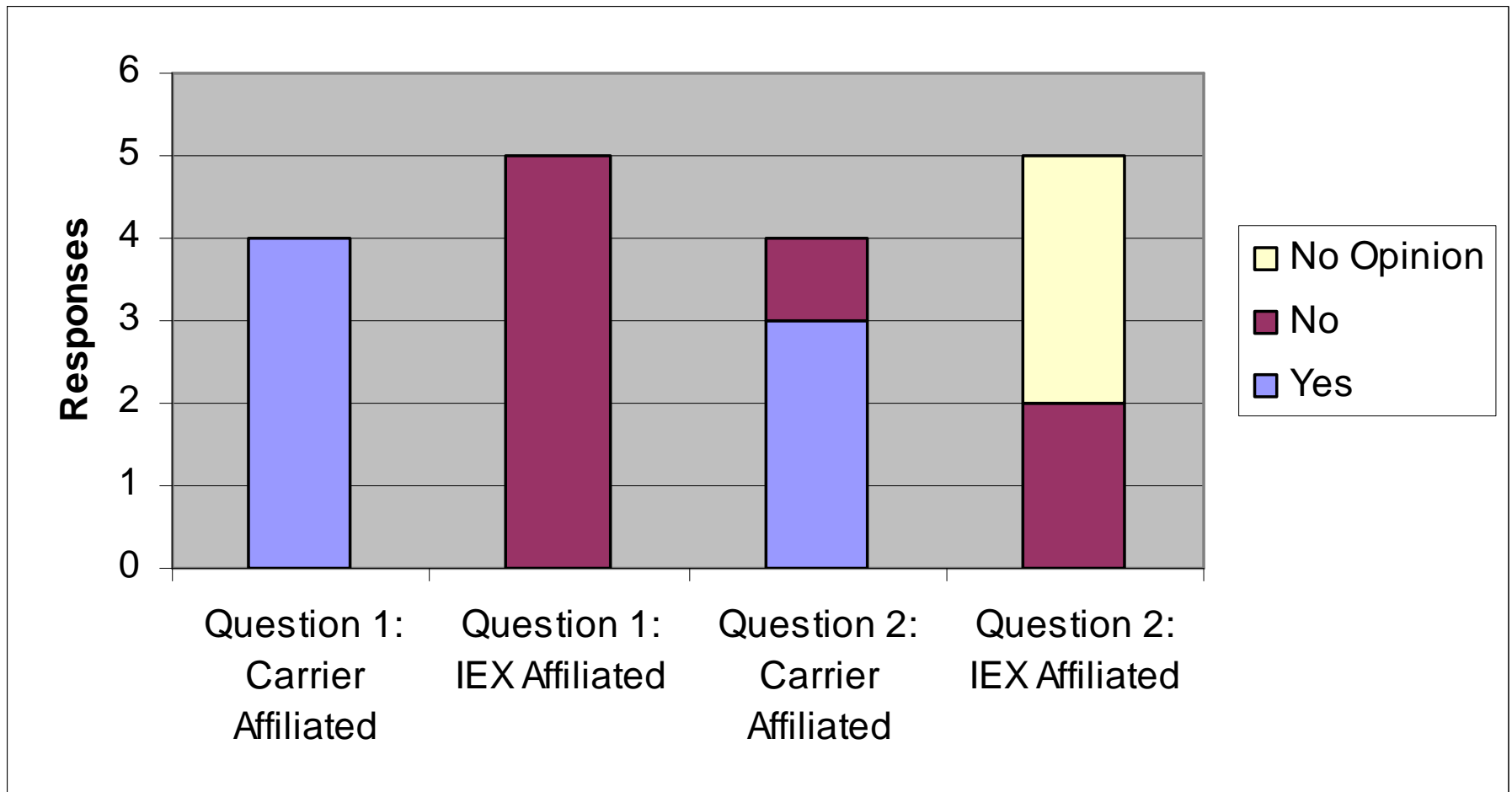
Survey Questions

- 1. Were Ethernet at 40 Gb/s to be standardized along with 100 Gb/s Ethernet, do you believe your company would have a need [for], or be called upon to support, transport of 40 Gb/s Ethernet traffic over distances > 40 km, or over WDM networks?
- 2. Were Ethernet at 40 Gb/s to be standardized, do you believe that compatibility with existing DWDM transport infrastructure (typically defined by the ITU as OTN) is an important objective in defining the standard?

Survey Participants

- Questions Sent: 14
- Responses received: 9
- Breakdown of respondents
 - Carrier Affiliated: 4
 - Internet Exchange (IEX) / Data Center / Interconnection Site Affiliated: 5

Survey Results



Subjective notes

- 40 GbE did not appear to be an issue of major importance to respondents.
- Carrier participants were confident that they would be called upon to accept 40 GbE interfaces by someone, sometime, somewhere.
 - Some expressed opinion that this was likely to be quite some time in the future (2012+).
 - Some felt 40G OC-768 infrastructure would be heavily deployed by 2010, mitigating the likelihood of 40GE transport.
 - Some felt that OTN compatibility was essential
- Data Center operators were not very excited about 40 GbE interfaces, but if they existed, they did not believe they would be using them for transport handoff.