One end users perspective on 40GE SMF

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Introduction

• Ongoing debate on 40GE SMF design:
  • Serial and CWDM
  • Concern about the impact on the whole project
• Both solutions viable, but cost and timing are the critical factors
Right cost at the right time

• There should be a low cost solution from day one.

• 40GE 10 km SMF expected to be used in cost sensitive environment.
  • Server traffic aggregation
  • Enduser connections to carriers

• These will drive the initial deployment of 40GE SMF
Aggressive cross-over of 40GE-CWDM cost by 40GE-Serial cost is in 2013, with more likely cross-over after 2016.
Risk Assessment

• Observations form reviewing all data presented to the Task Force:
  • 6 year variance in cost crossover projections by experts for Serial vs CWDM
  • very aggressive cost reduction curve for Serial

• Conclusion:
  • Significant risks/challenges in obtaining cost curve for Serial
  • Observations imply high risk for serial solution
Summary

• Our recommendation:
  • Adopt CWDM as baseline for 40G 10km SMF Objective
  • Overall project schedule should not be jeopardized.

• If NO decision:
  • We recommend dropping the objective