

More F, Less C

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Why More F, Less C?





Why More F, Less C?



Cable Is Undergoing A Fiber Transition...

tran'siSH(ə)n,tran'siSH(ə)n/

noun

1. The process or period of changing from one state or condition to another

verb

1. Undergo or cause to undergo a process or period of transition

fi ber tran si tion

/ˈfībər/ ● /tranˈziSH(ə)n,tranˈsiSH(ə)n/

verb

1. Use more F, less C, in HFC

Cable's Initial FTTH :: RF over Glass (RFoG) **Cable**Labs[®]

- Leverages current head-end and CPE devices and processes
- Allows for immediate FTTH triple play solution
- 99% of cable greenfield FTTH deployments use RFoG
- PON provides 5:1 to 10:1 OpEx improvement over HFC
- Challenges: OBI, training





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Trend toward gigabit per second service offerings remains a challenge for RFoG deployments



Cable's Step 2 FTTH :: RFoG + E/GPON

- E/GPON overlay is necessary for gigabit triple play services
- Data over E/GPON, voice & video over RFoG
- Challenges: OBI, CPE costs



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Cable's Step 3 FTTH :: E/GPON

- EPON/GPON technologies <u>and</u> unified provisioning are key strategic components
- Cable Industry remains divided between EPON and GPON, but more prefer EPON
- Requires IP video solution



FTTN – Distributed Solutions



FTTMDU

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FTTMDU and in-building distribution solutions are a priority



CableLabs Fiber Transition Initiatives

