

Survey for ODN deployment

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Purpose

- ▶ Current deployment is the base of NG-EPON
- ▶ Future plan will be the key driver for NG-EPON
- ▶ NG-EPON should collect useful information which help the way out.
- ▶ Design a questionnaire to collect all useful information
- ▶ This survey could be sent to all interest operators.



Questions to Operators

▶ Current status

- ▶ On one fiber, what technologies are used to carried services(For example EPON, 10G EPON, RFoG, RF Video, etc), and please list all cases in your network, for example, EPON+10G EPON, EPON+RF video.
- ▶ What wavelength are used(indicate the range of wavelength).
- ▶ Distance/splitter ratio
- ▶ Application model(FTTH/FTTC/FTTB/FTTdP/etc.)

▶ What expect for NG-EPON

- ▶ Services carried in one fiber
- ▶ Splitter ratio/Distance
- ▶ Bit rates



Proposed survey table - Current status(example)

Cases	Coexistence scenarios (EPON/10G EPON/RFoG/RG video/etc)	Max-Distance (Km)	Wavelength range		Splitter ratio
			UPstream	Downstream	
Case 1	EPON				
	RF video				



Proposed survey table-Future deployment(example)

Cases	Coexistence scenarios in a fiber (EPON/10G EPON/RFoG/RG video/NG-EPON/etc)	Max-Distance (Km)	Splitter ratio	Bit rates
Case 1	10G EPON (FTTB)		1:16	
	NG-EPON (FTTH/B)			
Case 2	NG-EPON (Mobile fronthaul)			

