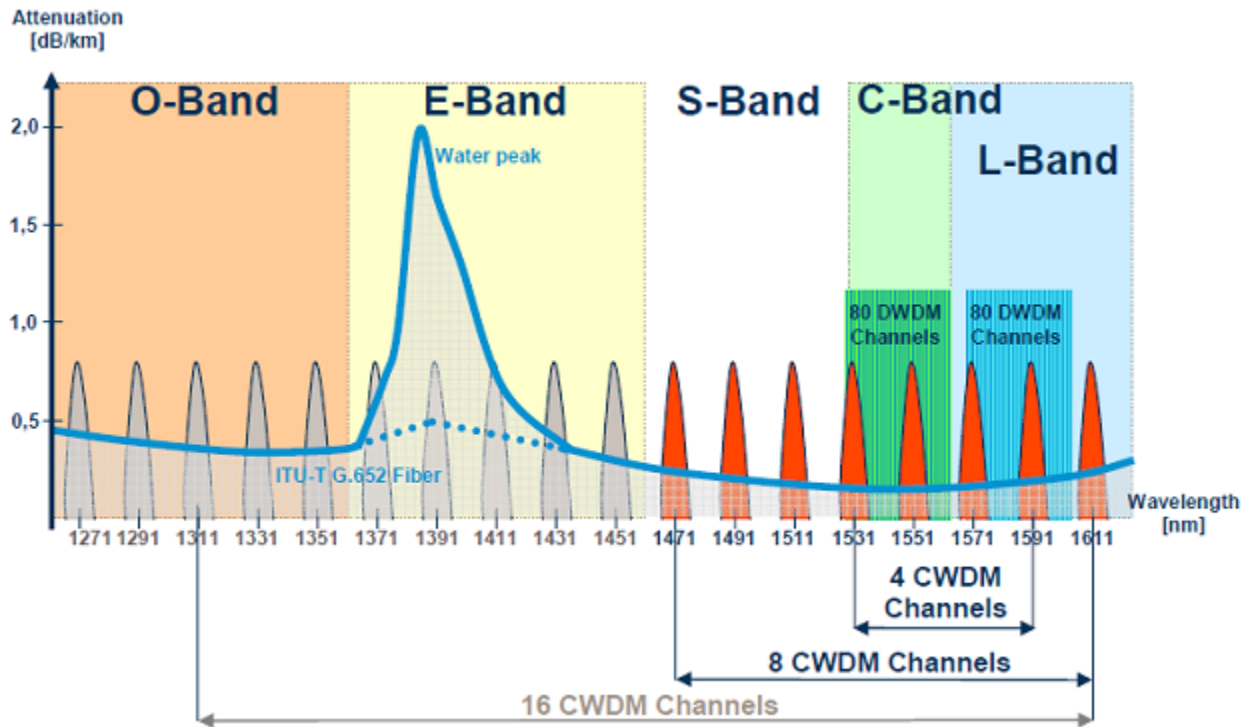
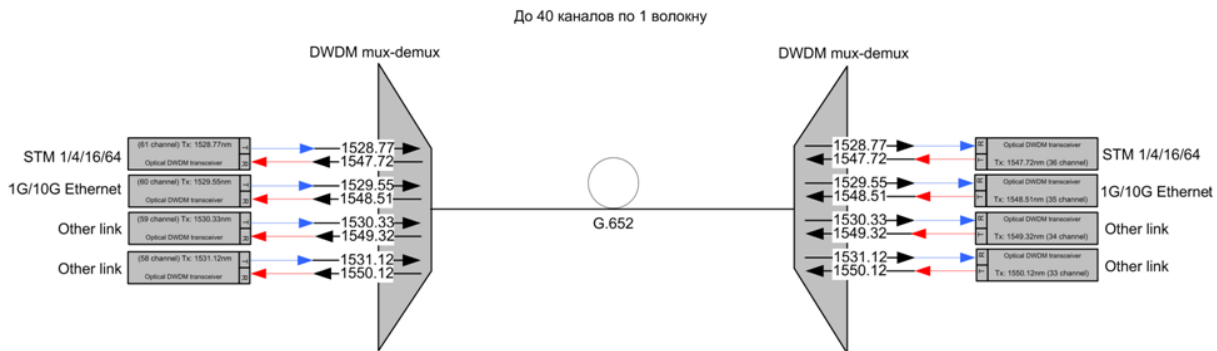


# DWDM

– DWDM (Dense Wavelength Division Multiplexing) – 160 ( ).

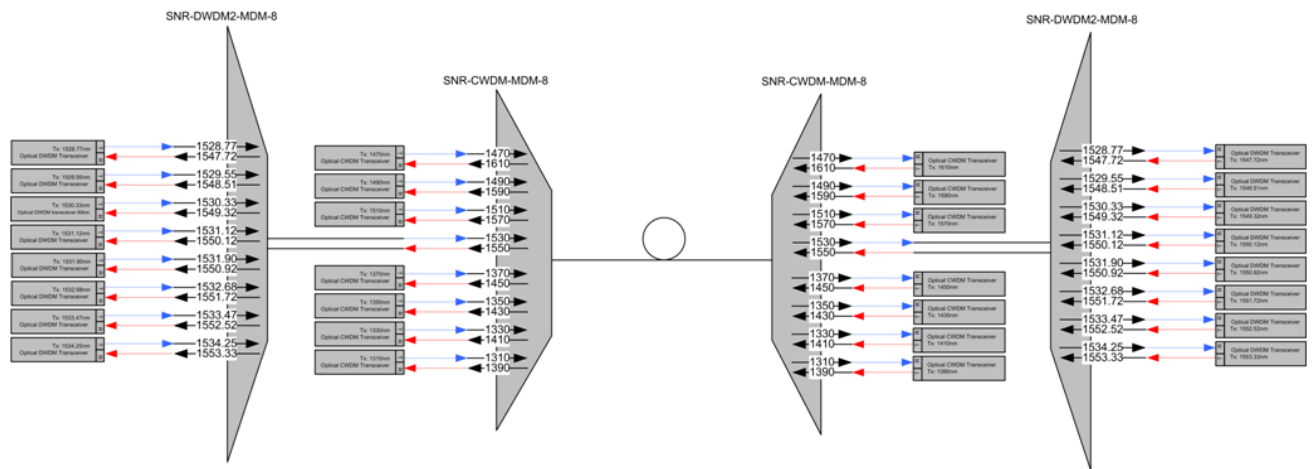


DWDM ITU G.694.1. ITU DWDM »C« (1525...1565) »L« (1570...1610) . 80 0.8 (100). »C«, , , G.652 - , L-. DWDM , CWDM ( , ), - DWDM- , CWDM- ( 10/ ) . , -, 40 .



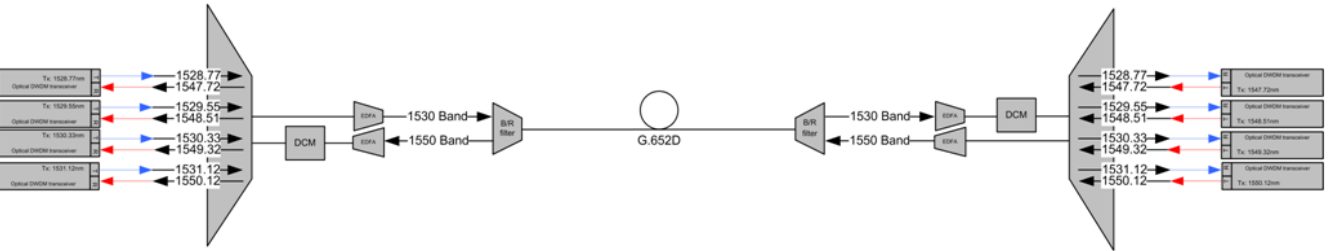
2. «-»

DWDM , CWDM . CWDM- 1550/1530 16 DWDM. , CWDM 1 8 DWDM .



### 3. DWDM CWDM

, DWDM , CWDM , C L (Erbium Doped Fiber Amplifier, EDFA), .



### 3. EDFA DCM

G.652 1550 17/(\*). 10/ , (Dispersion compensation module, DCM), , - .

«» DWDM- ( SFP/XFP/X2/SFP+, OADM, EDFA, DCM). SNR 16\*10/ G.652 200 ( 45dB) .

DWDM . .

**DWDM** , **CWDM**- , DWDM SDH Ethernet. **DWDM SNR: DWDM (mux/demux), DWDM OADM (add/drop ) , DWDM EDFA,DCM , (SFP, XFP, SFP+ X2 Alcatel-Lucent, Cisco, HP, Huawei, ECI Telecom, Ekinops, PacketLight).**