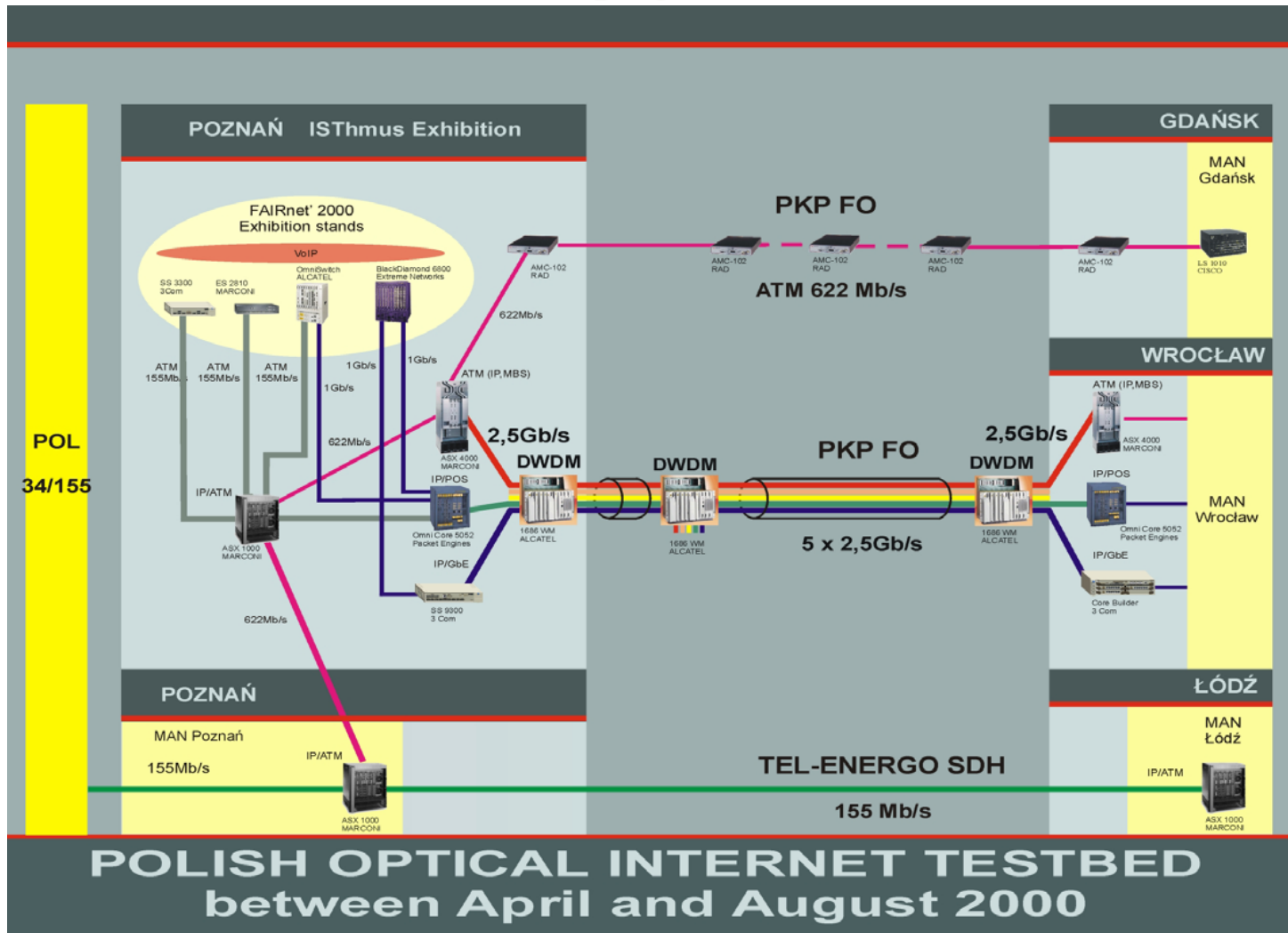




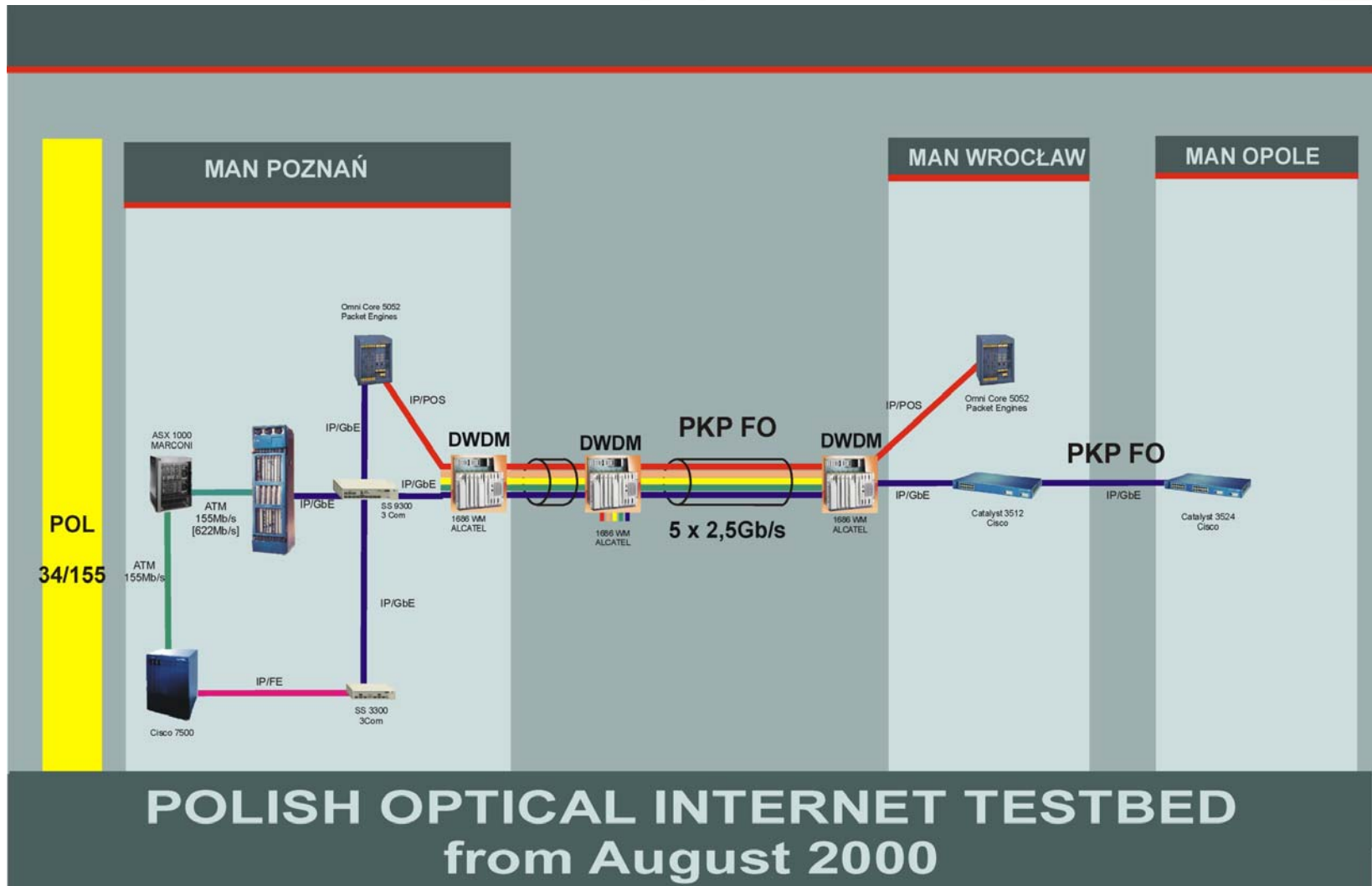
Polish Optical Internet

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Polish Optical Internet Testbed (2Q2000)



Polish Optical Internet Testbed (2001)



Available resources

- ⌘ Optical testbed
- ⌘ The PIONER Program 2001-2005
 - ☑ The first fibers 4Q2001
- ⌘ The PIONER Conference - April 2001
 - ☑ Alcatel DWDM, CWDM from Microsens
- ⌘ Dark fibres within MAN in Poznan
- ⌘ Other equipment from vendors possible

Open issues (1)

- ⌘ Open management model for optical networks
 - ☑ integration of the various vendor equipment
 - ☑ Lambda for services
 - ☑ optical VPN on demand
- ⌘ New types of fibers (e.g. DSF, ZDSF) - to be used in the PIONER network

Open issues (2)

⌘ Research of intelligent optical networks

- ☑ photonic cross-connects
- ☑ MPLambdaS and integration with MPLS
- ☑ 10/100 Gigabit Ethernet over DWDM