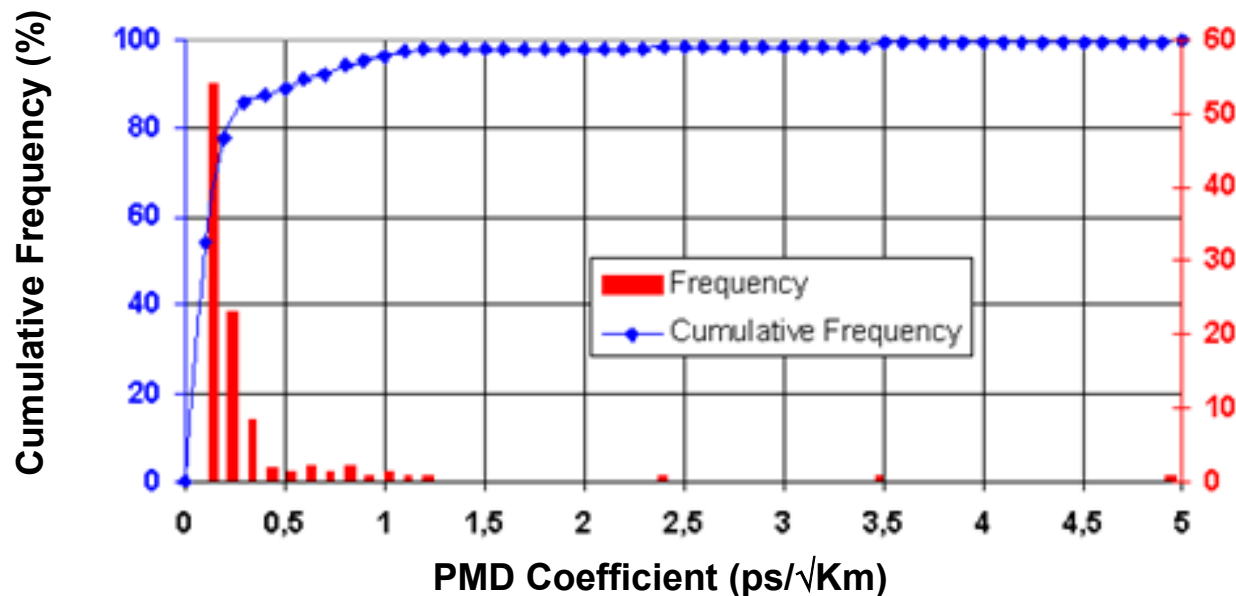
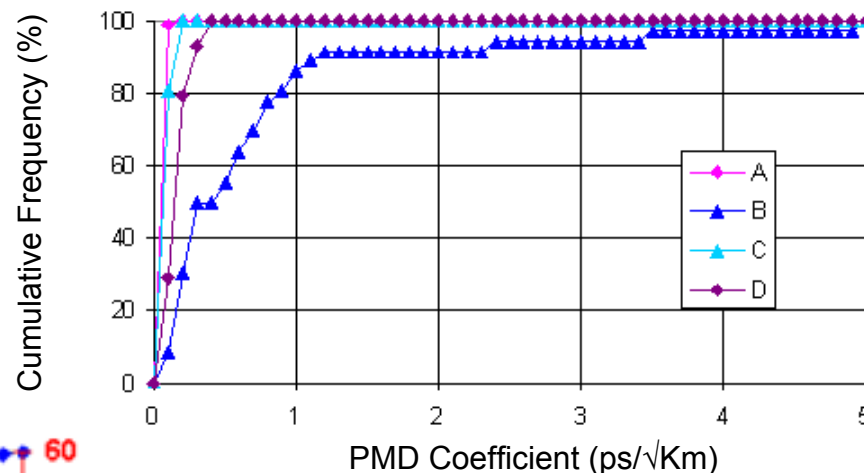


PMD Survey of the Installed Brazilian Fiber Plant

- Sampling include over 2500 SSMF
- Only new fiber networks (installed during 1998-2000) were sampled
- Fibers were measured and analysed
- Buried, OPGW and aerial cables



Frequency (%)

Survey conducted by
S. Barcelos, PhD
FIBERWORK (feb/2001),
and presented at Telexpo
Congress, SP, March 2001

Results:

- In average 15% of fibers exhibit link PMD > 0,3 ps/√km (high PMD)
- Some fiber routes have over 50% of fibers with PMD above 0,3 ps/√km
- Sampling not valid for networks installed before 1998 !