# SBN campus network's fibers status & needs

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96 SM fibers available from MINOS to ICARUS: 12 terminated to FD 96 SM fibers available From MI-12 to SBND: 0 terminated to SBND

**ICARUS-FD** 

**GPS** antenna

WR switch (18 ports)

(ground level)

MI-12 (BES/RWM/...) WR node (DIO) One DIO can send 4 copies of PPS or 4 Beam signals Pair of fibers connecting WR node at FD to MI-12: pulses being transmitted No terminated fibers to/from MI-12 Need final location of racks

**Current status** 

MM fibers status:

1 MM fiber installed from MI-12 to SBND (for CRT tests) at end of June

If experiments need MM fibers, AD can install them

**SBND** 

[GPS antenna(spare) WR switch (spare)]

WR node (DIO)

WR node (SPEC DIO) on mezzanine level

Pair of fibers from WR switch on ground level to WR node in mezzanine

# **Needs/Requests**

### SM fibers

- Terminate 18 fibers at both FD and SBND (to fit WR switch 18 ports)
- Should cover all experiments' needs
- Question: if fibers are terminated and connected to "patch panels', can we take care of connecting ports provided we have the "maps"?

### MM fibers

- Need to contact AD to Install fibers ( if need TCLK, other...) and patch panels
- AD can install HRM (HotLink Rack Monitor) devices at both locations to provide all the TCLK and MIBS signals: \$1D,\$1F,\$AE,\$A9 and MIBS \$74
- Need task codes to cover AD work

## NuMI signals

• Need to understand status of fibers/cables connecting MI-60 to SBN campus locations