



# Effects of ESD and Cleaning on SFP Fiber Optic Transceivers Quiz

Field Service & GSC Training



**Imagination at work**

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# Effects of ESD and Cleaning on SFP Fiber Optic Transceivers Quiz

Instructions: Trainer at each Vendor to administer this quiz to their MR installers and ensure they pass.

Note: Answers on last slide 10, do not look at these until you have completed the quiz!

**Imagination at work**

# Test questions

1. ESD is a hidden enemy of SFP fiber optic transceivers. What is the level of protection for the GEHC SFP part number 5183329-3?
  - a) 1500V
  - b) 250V
  - c) 1200V
  - d) 8000V



# Test questions

2. The ESD protection in the scan room is the same as that found in the equipment room.
- a) True
  - b) False



# Test questions

3. Light transmitted through fiber cable must have a \_\_\_\_\_ bend minimum bend radius for optimal signal?
- a) 4 in. (10.16 cm.)
  - b) 5 in. (12.70 cm)
  - c) 2 in. (5.08 cm)
  - d) 7 in. (17.78 cm.)



# Test questions

4. When reinstalling a cleaned cable into the SFP always press on the black ring of the connector with your fingernail and give the cable a little tug to ensure the cable retention.
- a) True
  - b) False



# Test questions

5. Dirt on the lens can create a 'link down' hard system failure, even though the transceiver is functioning properly.
- a) True
  - b) False



# Test questions

6. DVMR Link Diagnostics reports the SFP system health of which parameters?

- a) Voltage
- b) TxBias Current
- c) TxPower
- d) RxPower
- e) All the above





# Test questions

7. What is the proper cleaning technique for cleaning fiber optic connections?
- a) Blowing the dirt out of the transceiver and wiping the cable with your shirt tail
  - b) Inserting 5478006 into the SFP and click once and connect the adapter to the cable and repeat the process.
  - c) Use isopropyl alcohol on both the transceiver and cable



# Test answers

1. d
2. b
3. d
4. a
5. a
6. e
7. b



