

## 1. Technology Existing Conditions/**Telecommunications Infrastructure (cont.)**

### Rooms/Spaces – Telecommunications Rooms (TRs)



*TR-3 (ES Rm. 248) is in good condition but needs to be devoted to IT equipment. There would be adequate space for another rack.*

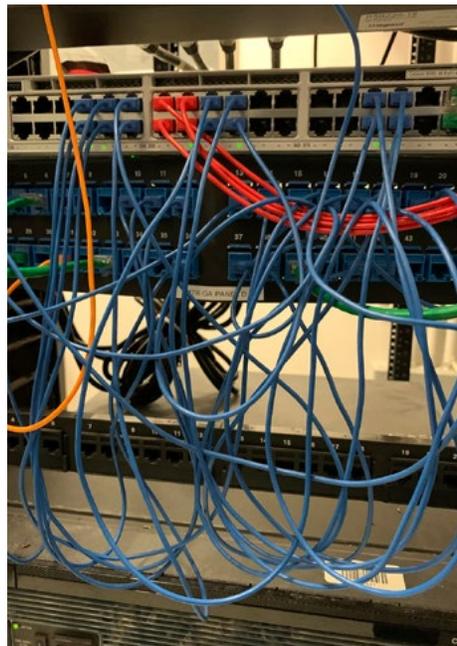


*Abandoned legacy cable in ITR-2 (HS Rm. 104).*

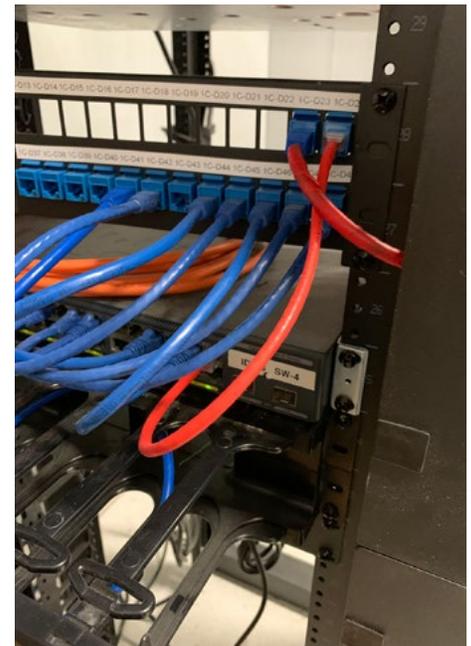
### Telecommunications Rooms (TRs): District-wide Observations

1. The infrastructure is built on a star topology with the Server Room at the center of the star. There are (3) rooms identified as Telecommunications Rooms (TRs) and (1) room (the Computer Lab) has a wall-mounted equipment cabinet.
2. **Main TR (MS Rm. 154 - Server Room)** was constructed during the '19/'20 Capital Improvement Project and is in **very good condition**. However, it does require eliminating non-IT items and water threats, improving security, and implementing a regular PM schedule to maintain peak performance conditions.
3. **Intermediate TR-2 (HS Rm. 104 - Storage)** is in a shared, unsecured space with no air conditioning or grounding, and improper horizontal and vertical cable management. The ITR-2 is in poor condition and requires a complete renovation to meet all TR performance criteria as outlined on pp. 20 – 21.
4. **Intermediate TR-3 (ES Rm. 248 - Storage)** is in **good condition** but does need a number of improvements including increased security, installation of UPS and grounding at the rack, and removal of the drop ceiling to improve air circulation and equipment cooling.
5. The **Computer Room (143) small IT cabinet** that connects computers to the district's wired network is in **excellent condition** with proper connections and labeling, and room for expansion. No improvements are needed for this cabinet.

The observed conditions of the (3) TRs follows. Associated Recommended Improvements appear on pg. 16 of this report in Appendix A.



*At left, one rack in the MTR (MS Rm. 154) show signs of "cable creep" in patch panels and server cables. At right, another rack in the same TR has correctly sized patch cords are neatly installed in machine-labeled ports.*



*continued*