The following questions were submitted from a vendor to be clarified as part of the Wireless related RFP:

1) Could you please provide an inventory by school of how many internal access points and how many external access points there are today?

- Moorhead H.S. -- 111 total internal Access Points (72 w/internal antenna, 39 external antenna)
- Horizon M.S. -- 82 total internal Access Points (82 w/ external antennas)
- Ellen Hopkins -- 59 total internal Access Points (59 w/external antenna)
- Maintenance -- 2 total internal Access Points (2 w/external antenna)
- Probstfield -- 51 total internal Access Points (11 w/internal antenna, 40 w/external antenna)
- Red River -- 9 total internal Access Points (9 w/external antenna)
- Robert Asp -- 47 total internal Access Points (45 w/internal antenna, 2 w/external antenna)
- S.G. Reinertsen -- 63 total internal Access Points (52 w/internal antenna,11 w/external antenna)
- West Central -- 3 total internal Access Points (3 w/external antenna)

TOTAL Access Points deployed across the district: 427

2) **Is VOIP used over the wireless network or anticipated for running over the wireless network in the future?**

- Presently VOIP does not run over the wireless network. The switching infrastructure is setup to support delivery of VOIP calls. The wireless access points and LAN -based wireless controller must support VOIP call

3) How many school devices connect today and how many are anticipated needed for future growth?

- The district supports BYOD and maintains an open guest wireless network, so it is not a finite number of devices and users. The district currently has 6,200 students and 900 employees. The school district currently owns over 3000 WIFI enabled devices. The devices are all 802.11n or 802.11ac radio based devices.The district is growing at a rate of 150 to 250 students per year. The district will be adding 700 new devices this upcoming school year as part of a 1-to-1 program.

4) What authentication methods does the school use today on the wireless network?

- The district deploys mixed of WPA-PSK & WPA2-PSK using data encryption of CCMP/TKIP.