



**JACKSBORO INDEPENDENT SCHOOL DISTRICT**

812 West Belknap  
Jacksboro, Texas 76458

Dennis Bennett, Superintendent

**JACKSBORO ISD HIGH SCHOOL WIRELESS NETWORK PROJECT**  
**RFP# 06-0809**

The Jacksboro Independent School District is soliciting proposals for the products/services per the specifications stated elsewhere in the attached solicitation documents. Proposals shall be submitted by fax or in a sealed envelope marked on the outside with the offeror's name and address and proposal number as follows:

**RFP# 05-0809, JACKSBORO ISD HIGH SCHOOL WIRELESS NETWORK PROJECT**

TO:

Brett Thomas  
Jacksboro ISD  
812 W Belknap St  
Jacksboro, TX 76458

Proposals will be received at the above address until 2:00 PM, Tuesday, May 19, 2009. Acceptance of an offeror's offer for supply/service agreements will be by purchase order issued by Jacksboro ISD.

If you have any questions please contact:

Brett Thomas, Technology Director  
Phone: (940) 567-7268  
Email: [thomasmb@jacksboroisd.net](mailto:thomasmb@jacksboroisd.net)

Thanks,

Brett Thomas

JISD RFP# 06-0809



FOR:

Wireless Network Infrastructure for the New High School

Brett Thomas  
Technology Director  
Jacksboro ISD  
(940) 567-7268

[thomasmb@jacksboroisd.net](mailto:thomasmb@jacksboroisd.net)

## **Executive Overview**

Jacksboro ISD will accept bids for a wireless network for the New High School.

### **Responding Vendors Must:**

1. Use live site-surveys to ensure exact placement of and amount of equipment required so as to eliminate project cost overruns
2. Include all professional services at no-cost to the district (i.e., Active Site-Surveys, Installation Assistance, Network Integration, Post Install Active Site-Survey, and Training)
3. Guarantee the coverage in every building quoted – if coverage gaps appear in the required Wi-Fi coverage areas – the vendor will at their own cost – provide the makeup devices to fill the holes.

### **WLAN Design Requirements:**

1. All intended coverage areas must be covered with a minimum of three (3) radios visible to connectable devices at -72 dBm or greater RSSI – to support density of users.

### **Any Wireless Product positioned in your response must include the following technical requirements:**

1. Each wireless device (Not System) must be 802.11 abg+n capable.
2. Each wireless device (Not System) must contain at minimum four (4) and maximum of eight (8) 802.11n Radios (AP's) with integrated (not external to the device enclosure) antenna's.
3. Each wireless device (Not System) must contain an Integrated 24/7 (not time-sliced or shared) Wi-Fi Threat sensor and RF monitoring
4. The wireless system must include an Intrusion Detection System (IDS/IPS).
5. Each wireless device (AP) (Not System) must include an integrated statefull firewall.
6. Each wireless device (AP) (Not System) must offer at minimum the following configuration options (Serial connection, SSH, HTTPS, Web, wireless)
7. Each wireless device (AP) (Not System) must include an embedded multi-Gigabit switch
8. Each wireless device (AP) (Not System) must contain an embedded Wi-Fi controller
9. Each wireless device (AP) (Not System) must employ a future-proof modular architecture for upgradability to future standards.
10. Seamless Automatic channel and power configuration for all radios, Automatic self-healing coverage, and Automatic client station load balancing and band-steering – at no additional cost.
11. Each wireless device (AP) (Not System) must be powered with a separate PoE mid-span injector and not PoE switch ports.

12. Each wireless device (Not System) must allow wireless QoS settings per SSID, Per User, and Per application.
13. Each wireless device (Not System) must support VLAN tagging on a per SSID basis at the Access Point (Not Controller).
14. Each wireless device (Not System) must support per SSID and per Station traffic shaping and limiting at line-rate.
15. The wireless system must support out of the box, automatic RF configuration.
16. The wireless system must employ an software based NMS central management application (not hardware appliance or controller)
17. The wireless device (AP) proposed (not a separate product) must support Wireless Distribution System (WDS) mode.
18. The wireless system must support TKIP and AES protocols simultaneously on the same SSID?
19. The wireless system must support WEP/TKIP/AES Encryption processing done in the Access Point (Not Controller)

**Wireless Product Manufacture Requirements:**

1. The wireless manufacture proposed in your response must:
  - a. Be an ISO 9000 Certified Company
  - b. Manufacture all assemblies and final assembly from within the U.S.A.
  - c. Corporate headquarters based in the U.S.A.
  - d. Have a direct manufacture employed sales team within the Atlanta area.

**Network Cabling:**

The District will provide three Cat6 drops to each location that has been determined by the Site Survey to need a wireless device.