2008 Wireless LAN Survey

1. Preliminary questions

1. Please indicate which of the following best describes the perspective from which you will be answering this questionnaire. If you are a consultant/analyst, please indicate the viewpoint that you are representing:

- Business user/administrator, including enterprise, government, education, consulting, etc.
- Consumer/personal user
- Service provider, including systems integrators and managed service providers (MSPs), representing what I believe to be the viewpoint of my customer(s)
- Equipment manufacturer/vendor, representing what I believe to be the viewpoint of my customer(s)

2. What is your role in your company's wireless LAN implementation? (Please check all that apply.)

- Recommend
- Purchase
- Install
- Manage
- Secure
- Support
- Not involved

3. How many employees are there in your organization?

- 50,000 or more
- 10,000 - 49,999
- 5,000 - 9,999
- 1,000 - 4,999
- 500 - 999
- 100 - 499
- 1-99

4. Where is your company headquartered?

- US
- Canada
- Latin or South America
- UK
- Europe (other than the UK)
- Eurasia
- Asia-Pacific
- Other (please specify)

[ ]

5. The company you work for most closely fits into which one of the following categories?

- ⃝ Education

- ⃝ Entertainment

- ⃝ Finance & Banking

- ⃝ Government

- ⃝ Hospitality

- ⃝ IT/Network Product/Service/Management Provider

- ⃝ Legal, Insurance, Real Estate

- ⃝ Manufacturing & Processing (other than computing)

- ⃝ Media

- ⃝ Medical/Healthcare

- ⃝ Retail

- ⃝ Utilities

- ⃝ Other (please specify)

[   ]

6. Does your organization plan to deploy "Draft N" or "Pre-N" 802.11n access points and client devices ahead of final IEEE 802.11n standards ratification (currently expected in mid-2009)?

　　jn　Yes, we need the bandwidth now. But we will only deploy Wi-Fi certified devices.

　　jn　Yes, we need the bandwidth now and will deploy regardless of Wi-Fi certification.

　　jn　Yes, but deployment will be limited to controlled pilots or to limited areas of the company.

　　jn　No, we'll wait for 802.11n formal standards.

　　jn　Not sure

　　jn　Other (please specify)

7. What do you anticipate will be your *TWO MOST IMPORTANT* business application(s) for 802.11n? (Please select exactly TWO.)

　　e　Aggregating growing loads of traditional wireless data traffic

　　e　Creating an "all wireless" enterprise access network

　　e　Support of mobility-enabled collaborative technologies, such as videoconferencing and telepresence

　　e　Adding VoIP to Wi-Fi data loads

　　e　Support for streaming internal corporate communications and Webcasts

　　e　Transmitting imaging, CAD or other large files

　　e　Other (please specify)

8. What do you consider the primary challenge/inhibitor(s) to 802.11n deployment in your organization? (Please select exactly TWO.)

　　e　No near-term bandwidth requirements to justify upgrade

　　e　Limited product choice

　　e　Decreased-throughput impact on 11n by legacy Wi-Fi network clients

　　e　Waiting for final standards and standards-based products

　　e　Wi-Fi infrastructure and client device upgrade costs to support 802.11n

　　e　Wired infrastructure upgrade costs to support 802.11n

　　e　Other (please specify)

3. Page 3

9. What are the two biggest benefits you have derived or hope to derive from using wireless LANs? (Please select exactly TWO.)

€ Improvement of a specific business process(es), such as inventory management, patient care, or other

€ Keeping knowledge-workers productive wherever they are

€ Improved access to mobile employees

€ Reduced cabling costs

€ Simplification of architecture by going to "all wireless" enterprise

€ Mobile campus voice-over-IP (VoIP) communications; e.g., less expensive alternative to cellular mobility for campus users

€ Fixed-mobile convergence (FMC) capabilities

€ Other (please specify)

[   ]

10. What do you consider the TWO biggest challenges to being able to scale Wi-Fi deployments throughout most or all of your organization? (Please select exactly TWO.)

€ Managing co-channel interference

€ Reliability/stability concerns due to operation in unlicensed spectrum

€ Lack of strong available RF planning and management tools

€ General security concerns

€ Fear of noncompliance with governance mandates, such as HIPAA, Sarbanes-Oxley, PCI DSS, etc.

€ Having to manage and secure both wireless and wired networks

€ Changing or confusing network architecture options

€ Cost

€ Other (please specify)

[   ]

11. In what areas of your organization have you currently deployed Wi-Fi access points? (Please check all that apply.)

€ Common areas (e.g., conference/meeting rooms, cafeteria, lobby, instructional areas)

€ Individual work cubicles, offices, other business work areas

€ Warehouse/manufacturing floor

€ Outdoors

€ Other (please specify)

[   ]

12. Approximately what percentage of your employees, enterprise-wide, currently has at least one Wi-Fi-enabled device (laptop, PDA, smartphone, etc.)?

jn None

jn 1% to 10%

jn 11% to 50%

jn 51% to 75%

jn 76% to 100%

13. Which of the following mobile wireless networks are you currently using or planning to use?

	Currently Using	Planning to Use	No Plans to Use	Don't Know
802.11b	jn	jn	jn	jn
802.11a	jn	jn	jn	jn
802.11g	jn	jn	jn	jn
802.11n (2.4GHz)	jn	jn	jn	jn
802.11n (5GHz)	jn	jn	jn	jn
Mobile WiMAX	jn	jn	jn	jn
Long-Term Evolution (LTE)	jn	jn	jn	jn
Traditional broadband/3G Cellular Data (e.g., EV-DO, UMTS/HSDPA)	jn	jn	jn	jn
iDEN	jn	jn	jn	jn

14. What percentage of your user base currently uses 802.11n?

jn None   jn 11% to 50%   jn 76% to 100%

jn 1% to 10%   jn 51% to 75%   jn Don't Know

15. When upgrading your wireless LAN to 802.11n how will you/did you determine the 11n AP location/placement?

jn Replaced legacy APs with 11n APs

jn Placed 11n APs side-by-side with legacy APs

jn Used 11n predictive planning tools prior to installing any 11n APs

jn Used site-survey tools to measure performance and refine placement after installing 11n APs

jn Other (please specify)

16. Which of the following Wi-Fi client devices are you currently using or planning to use?

	Currently Using	Planning to Use	No Plans to Use	Don't Know
Wi-Fi-enabled data devices (laptop, tablet, PDA, Ultra Mobile PC)	◉	◉	◉	◉
Single-mode Wi-Fi voice handsets	◉	◉	◉	◉
Dual-mode Wi-Fi/cellular data/voice smartphones	◉	◉	◉	◉
Wi-Fi-enabled video cameras	◉	◉	◉	◉
Other Wi-Fi devices (kiosks, bar code scanners, medical devices, etc.)	◉	◉	◉	◉

17. Which of the following wireless LAN architectures are you currently using or plan to use within the next 6 months? (Please check all that apply.)

◌ Thin ("dependent") access points with centralized controller

◌ Distributed ("independent") intelligent access points with centralized management and security capabilities

◌ Distributed independent intelligent access points with no centralized management and security capabilities

◌ Split/hybrid/adaptive architecture, with management in controller and selected capabilities (such as forwarding, cryptography, and QoS) in distributed access points or Ethernet switches

◌ Wi-Fi mesh

◌ Single-channel or channel-blanket architecture

◌ Don't know

18. What wireless LAN security mechanism(s) do you currently have in place? (Please check all that apply.)

  ∈ None

  ∈ Static WEP

  ∈ Dynamic WEP

  ∈ WPA

  ∈ WPA2/802.11i

  ∈ IPSec and/or SSL VPN

  ∈ Wireless intrusion detection/prevention overlay system from third party

  ∈ Wireless intrusion detection/prevention capabilities embedded in primary Wi-Fi vendor's controller/switch/access points

  ∈ Wireless VLANs

  ∈ Geofencng

  ∈ Other (please specify)

19. What wireless LAN security authentication mechanism(s) do you currently have in place? (Please check all that apply.)

  ∈ Pre-Shared Key (PSK)

  ∈ 802.1x authentication with standard EAP type

  ∈ 802.1x authentication with proprietary EAP type (such as LEAP)

  ∈ Other (please specify)

20. What advanced features would you like to see integrated into your wireless LAN controller/switch? (Please check all that apply.)

  ∈ IP-PBX

  ∈ Unified Communications

  ∈ RFID Infrastructure Management

  ∈ WiMAX/LTE/Cellular Backhaul Capability

  ∈ Mesh

  ∈ Other (please specify)

21. When will you deploy the following applications over a wireless LAN?

	Already Deploying	Within 6 months	Within 6 to 12 months	More than 12 months	No plans to deploy	N/A for my company
E-mail	jn	jn	jn	jn	jn	jn
Core business apps, such as ERP, CRM, SFA, inventory management	jn	jn	jn	jn	jn	jn
Guest intranet/Internet access	jn	jn	jn	jn	jn	jn
Employee intranet/ Internet access	jn	jn	jn	jn	jn	jn
VoIP	jn	jn	jn	jn	jn	jn
Videoconferencing	jn	jn	jn	jn	jn	jn
Point-of-sale verification/transactions	jn	jn	jn	jn	jn	jn
Asset tracking or other location applications, including radio-frequency identification (RFID)	jn	jn	jn	jn	jn	jn
IP surveillance	jn	jn	jn	jn	jn	jn
Streaming or on-demand rich media	jn	jn	jn	jn	jn	jn

22. When will your organization be likely to move to ALL-WIRELESS local-area networking? (Please select the *one* answer that *best* represents your position.)

jn When moving to a new building or in Greenfield branch site deployments

jn When it's time to upgrade the wired LAN infrastructure

jn When 802.11n Wi-Fi technology is standardized and proven

jn When wireless security is stronger and/or easier to deploy

jn When 802.11 products are available with the Wi-Fi Alliance Voice-Personal certification

jn When 802.11 products are available with the Wi-Fi Alliance Voice-Enterprise certification

jn We won't consider an all-wireless network in the foreseeable future

7. All wireless

23. What do you believe would be the TWO top benefits of moving to ALL-WIRELESS local-area networking? (Please select exactly TWO.)

∈ Cost savings from reduced wiring

∈ Simplified LAN management and operations

∈ Streamlined moves/adds/changes

∈ Real-estate compression or site consolidation

∈ Other (please specify)

24. What are your TWO top concerns about moving to ALL-WIRELESS local-area networking? (Please select exactly TWO.)

∈ I perceive wireless to be less secure than wired user connections

∈ Reliability/stability of connections

∈ Bandwidth constraints

∈ Scalability

∈ Voice quality/QoS

∈ Vulnerability to interference/jamming

∈ Other (please specify)

8. End

25. Please enter your email address below if you would like to receive a preliminary, respondents-only copy of the results of this survey. Your address will not be used for any other purposes.

PLEASE make sure you click the "Done; Record my survey response" link below to record your email address.