

Approved: March 9, 2006

Date

MINUTES OF THE HOUSE HEALTH AND HUMAN SERVICES COMMITTEE

The meeting was called to order by Chairman Jim Morrison at 1:30 P.M. on March 6, 2006, in Room 526-S of the Capitol.

All members were present except Representatives Watkins, Colloton, Miller, Goico, Landwehr, and Kiegerl, all of whom were excused.

Committee staff present:

Melissa Calderwood, Kansas Legislative Research Department
Mary Galligan, Kansas Legislative Research Department
Rena Jefferies, Revisor of Statutes' Office
Gary Deeter, Committee Secretary

Conferees appearing before the committee:

Dr. Howard Rodenberg, Director, Division of Health, Kansas Department of Health and Environment
Don Heiman, Legislative Chief Information Technology Officer
Patrick Tierce, Division of Information Systems and Communications (DISC)
Ben Nelson, Information Technology Chief, Kansas Department of Transportation
Dave Larson, Director, Computer Services, Legislative Administrative Services

The Chair opened the hearing on **HB 2396** (See Attachment 1 for substitute bill) and welcomed Dr. Howard Rodenberg, Director, Division of Health, Kansas Department of Health and Environment, who spoke as a proponent, stating that the bill is intended to protect the health of college students. (Attachment 2) He explained the effects of meningitis and the dangers inherent in college housing, commenting that statistics show a striking increase in meningitis for incoming college freshmen living in campus housing. He noted that, following the recommendations of the federal Centers for Disease Control, the Kansas Board of Regents consider the bill a positive health measure for Kansas. Answering questions, Dr. Rodenberg said the department is reviewing the entire range of vaccination recommendations. He replied that because the vaccination is a synthetic product, it should not put at risk students with allergies.

The Chair referenced the minutes for the previous hearing on the bill (3-16-05), <http://www.kslegislature.org/committeeminutes/05-06/house/hhealth/minutes/03162005HHSMminutes.pdf> and the fiscal note for the bill. (Attachment 3)

The Chairman noted that the Kansas Board of Regents would provide testimony in support of the bill later. (Attachment 4)

The hearing was closed.

The Chair welcomed Don Heiman, Kansas Legislative Chief Information Technology Officer, who outlined the future of legislative wireless technology. (Attachment 5) He said the committee's hearing

room had been established as a prototype room to provide a model that, as the infrastructure is developed, will ultimately be deployed in all legislative hearing rooms, enabling the entire legislature to create a virtual committee process.

Patrick Tierce, Division of Information Systems and Communications (DISC), reviewed the background for wireless technology and explained details such as LANs (Local Area Network), access points (AP), security measures, and encryption.

Ben Nelson, Information Bureau Chief, Kansas Department of Transportation (KDOT), demonstrated how a registered wireless user can access any network and tunnel through the agency firewall into his/her home agency to carry on work from a remote site. He stated that KDOT has been a technology leader in state government. The Chairman suggested guests to the capitol might be given a temporary password to access the capitol's wireless network. Mr. Nelson noted that wireless access through DISC costs \$52.50 per access node per month.

Dave Larson, Director, Computer Services, Legislative Administrative Services, demonstrated signing on to the legislative network wirelessly, a process as seamless as a wired network. He said the committee, as a pilot project, can help him in testing the system so that the wireless system can be rolled out to all legislators. He noted that the network allows a legislator to access the secure network from any remote location.

The meeting was adjourned at 3:12 p.m. No further meeting was scheduled.

PROPOSED Substitute for HOUSE BILL NO. 2396

By

AN ACT concerning all colleges and universities; relating to students residing in student housing; requiring policies regarding vaccination for meningitis.

Be it enacted by the Legislature of the State of Kansas:

Section 1. (a) Beginning with the first academic term commencing after July 1, 2007, and for each academic term thereafter, each college and university shall have in place policies and procedures requiring that all incoming students residing in student housing be vaccinated for meningitis. Such policies shall include appropriate waiver procedures for those who refuse to take the vaccine.

(b) Nothing in this section shall require or be construed to require any college or university to provide or to pay for any vaccination against meningitis.

Sec. 2. This act shall take effect and be in force from and after its publication in the statute book.

Attachment 1
HHS 3-6-06



K A N S A S

RODERICK L. BREMBY, SECRETARY

KATHLEEN SEBELIUS, GOVERNOR

DEPARTMENT OF HEALTH AND ENVIRONMENT

**Testimony on House Bill 2396
Regarding Meningococcal Disease Vaccinations
House Committee on Health and Human Services**

**Dr. Howard Rodenberg
Director, Division of Health
State Health Officer
Kansas Department of Health and Environment**

Chairman Morrison and Members of the Committee, I am Dr. Howard Rodenberg, Director of the KDHE Division of Health and State Health Officer. We appreciate this opportunity to discuss with you legislation that addresses what we believe to be an important public health issue. House Bill 2396 is intended to protect college students from meningitis infection by requiring students to either receive the meningitis vaccine or sign a waiver indicating they know their increased risk of contracting the disease.

Meningitis is an infection of the meninges, thin tissue coverings that line the spinal canal and the brain. Different organisms, including both viruses and bacteria, can cause meningitis. The type of meningitis we refer to today is caused by a bacteria, *Neisseria meningitidis*, which can be found in many healthy people. For unknown reasons, some individuals develop meningitis when exposed to this bacterium through contact with respiratory or throat secretions (coughing, kissing, etc). The resulting illness can be severe; 10%-15% of cases die. Among those that survive, an additional 10%-15% may suffer serious long-term effects (including mental retardation, loss of limbs, and hearing loss). Everyone has a small chance of contracting this type of meningitis, but epidemiologic studies have demonstrated that those who live in college dormitories are at increased risk, apparently due to the close contact among residents.

Although there are antibiotics that can treat a *Neisseria meningitidis* infection, mortality and complication rates remain high. Steps can be taken to prevent the disease. A vaccine protects against all but one of the most important strains of the *Neisseria meningitidis* bacterium. In the event a person becomes ill, those with very close contact to the ill

person's respiratory/throat secretions are treated. Family members, roommates, boyfriends, girlfriends, etc. are given antibiotics to prevent them from becoming ill.

Relatively few people contract this type of meningitis every year in the United States. In 2002, less than one person per 100,000 contracted this disease. The rate of disease per year among Kansans was similarly low -- 8 total cases were reported in 2002, 6 in 2003, and 4 in 2004. However, the mortality of the disease, the fact that it is transmitted easily and rapidly in an epidemic fashion, and the availability of a preventive vaccine dictate that we aggressively address this issue. A United States Centers for Disease Control and Prevention (CDC) recommendation in May of 2005 that children 11 – 12 years old, previously unvaccinated adolescents at high school entry, and college freshmen living in dormitories all receive meningitis vaccination further underscores the import of this measure.

In September of 2005, the Kansas Board of Regents approved a policy requiring the six state universities to establish policies and procedures that would require all incoming students residing in university housing to be vaccinated for meningitis or to sign a waiver indicating that they decline to take the vaccine. This policy is to be effective beginning with the Fall 2006 academic semester.

HB 2396 would ensure that consistency in this area exists across all institutions both private and public. This legislation mirrors the Kansas Board of Regents policy. It will go into effect with the start of the Fall 2007 academic semester, giving non-Regents' institutions time to prepare for compliance. It should be noted that HB 2396 was developed in full collaboration with the Kansas Board of Regents, Kansas Independent College Association, Washburn University, and the Kansas Association of Community College Trustees.

Some institutions expressed a concern regarding the ability to access enough meningitis vaccine to meet the need. In conferring with several local health departments, private physicians offices, and the University of Kansas student health service, we believe that obtaining adequate supplies of meningitis vaccine is not a problem and the vaccine should be accessible to those who desire it.

Thank you for your consideration of this bill. We think it will be a valuable adjunct in preserving the health of our college students. I'd be happy to answer any questions you might have.

March 15, 2005

The Honorable Jim Morrison, Chairperson
House Committee on Health and Human Services
Statehouse, Room 171-W
Topeka, Kansas 66612

Dear Representative Morrison:


SUBJECT: Fiscal Note for HB 2396 by House Committee on Appropriations

In accordance with KSA 75-3715a, the following fiscal note concerning HB 2396 is respectfully submitted to your committee.

HB 2396 would require that each state university provide to students living on campus detailed information on the health risks associated with meningococcal disease and the availability of a vaccine. Also, it would require that students living on campus show proof that they have received a meningococcal vaccine. Each university would be required to maintain records on the meningococcal vaccination status of each student living on campus; however, the university would not be required to provide or pay for vaccinations.

Currently the Regents institutions are following the American College Health Association recommendations on meningitis to provide educational materials and offer meningitis vaccine or provide a referral to where a vaccination can be obtained. HB 2396 would also require that records be kept on the vaccination status of each student. Maintaining these records would incur costs, but information is not available to determine the amount. The Board of Regents notes that the cost would be borne by each institution's student health center or the student housing operation.

Sincerely,



Duane A. Goossen
Director of the Budget

cc: Marvin Burris, Board of Regents

Attachment 3
HHS 3-6-06



KANSAS BOARD OF REGENTS

1000 SW JACKSON • SUITE 520 • TOPEKA, KS 66612-1368

TELEPHONE – 785-296-3421
FAX – 785-296-0983
www.kansasregents.org

March 1, 2006

Representative Jim Morrison
Chairman
House Health & Human Services Comm.
Statehouse, Room 143-N
Topeka, KS 66612

Representative Tom Holland
Ranking Member
House Health & Human Services Comm.
Statehouse, Room 133-N
Topeka, KS 66612

Dear Chairman Morrison and Ranking Member Holland:

On behalf of the Board of Regents, I write to you regarding House Bill 2396, legislation that addresses the vaccination of college students for meningitis.

The Board has concerns with the current language contained in House Bill 2396. However, we have worked collaboratively with the Kansas Department of Health and Environment (KDHE) to develop a balloon amendment that addresses those concerns, and we certainly appreciate KDHE's assistance in developing this new language.

As you may know, in September 2005, the Board adopted a new policy aimed at strengthening student health on the six state university campuses. The new policy, effective from the start of the 2006-2007 academic year (beginning with the Fall 2006 academic semester), requires the six state universities to establish policies and procedures that will require all incoming students residing in university housing to be vaccinated for meningitis or to sign a waiver indicating that they refuse to take the vaccine.

The Centers for Disease Control and Prevention (CDC) issued a recommendation in May 2005 that, among other things, calls for all college freshmen living in dormitories to receive the newly licensed meningitis vaccine. In a May 26, 2005 press release, the CDC stated that "college freshmen living in the close quarters of dormitories are at a higher risk for meningococcal disease compared with peers the same age who are not attending college." For a number of years now the Board and the Governor have strongly urged higher education institutions in the state to increase student awareness about the dangers of this life-threatening disease. However, once the CDC issued a new meningitis recommendation, the Board believed that it should take a more aggressive approach to combating this potentially fatal disease. Thus, it adopted the policy described above.

The Board's meningitis policy takes an important step to protect the health and the lives of Kansas students. In addition to the policy it has adopted for the state universities, the Board has urged all higher education institutions in the state to consider what steps should be taken on their campuses to protect a vulnerable student population from this dangerous disease.

Attachment 4
HHS 3-6-06

House Bill 2396, with the adoption of the balloon amendment, would echo the important steps that the Board has already taken to protect our state's college students. The Board supports House Bill 2396 as amended.

Thank you for your consideration.

Sincerely,

Reginald L. Robinson
President & CEO

Wireless LANs Security Systems and Operations



A review of the security processes
and user experience

State Capitol – Spring 2006

AGENDA

- Opening Remarks – Don Heiman, LCITO
- Security Presentation – Patrick Tierce, DISC

Demonstration of Technology

- Patrick Tierce, DISC
- Ben Nelson, KDOT

- Demonstration of Technology / Pilot

- Dave Larson, LAS

Q & A



Security Presentation

- Patrick Tierce, DISC

- 24 years of State Service

- KDHE – 2 years in Programming

- DISC – 10 years in Technical Support of mainframe systems

- KDOT – 11 years in Security and Telecommunications

- DISC (current) – Enterprise Support

Security Presentation Agenda

- Overview of Wireless (WLAN) technology
- Issues of WLANs
- Processes – how'd we get here?
- Current “wired” method
- WLAN Security – how does it work?
- Conclusion

What's A Wireless LAN?

- A set of hardware devices and software that lets a person communicate to their existing servers and networks without having to plug into a wired jack!

- Access points (radios)

- Controllers

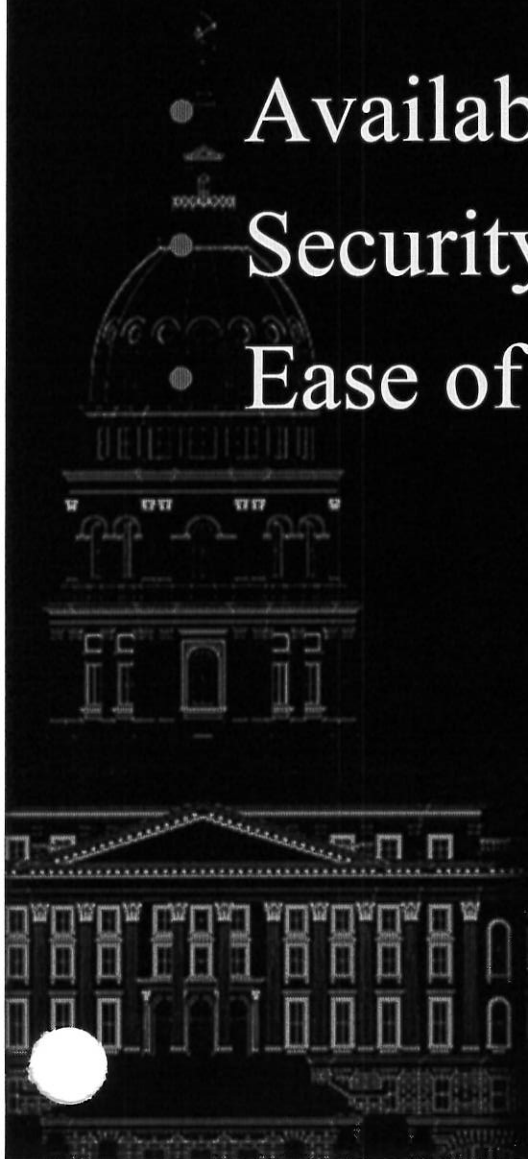
- Authentication Servers

● What do we care about the most?

● Availability – is it up and running?

● Security – is our data safe?

● Ease of Use – Can our staff support it?



Just how "safe" is it?

8-7

Hackers Yes!

Eavesdropping

Wireless networks

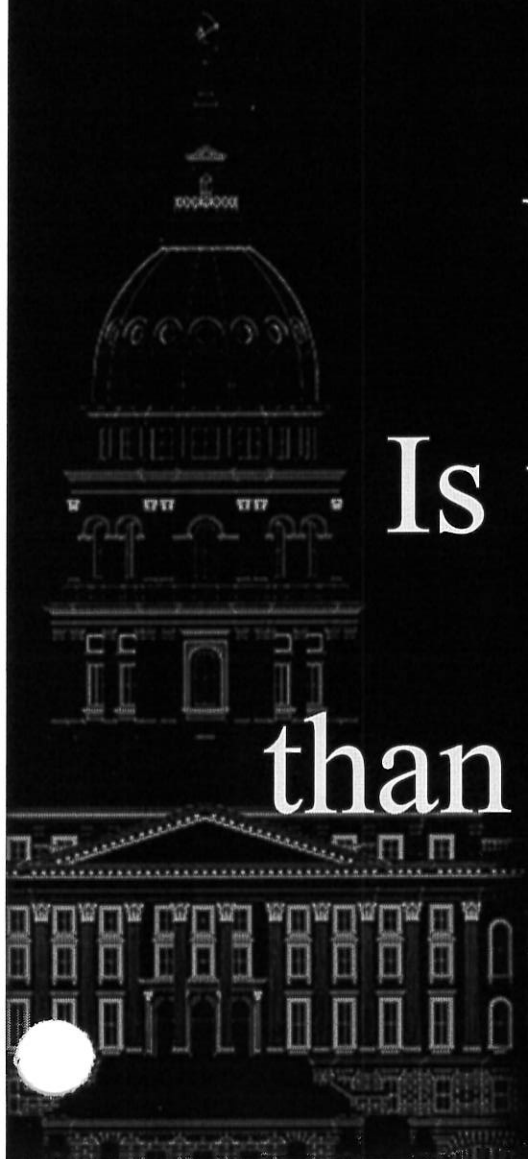
Attacks

Sniffing

can now be even
Is wireless really secure?
Spoofting Rogue Users

more secure

than many wired networks!



Determining the path to Security

Over 2 years of investigation...

State Architecture & Policy

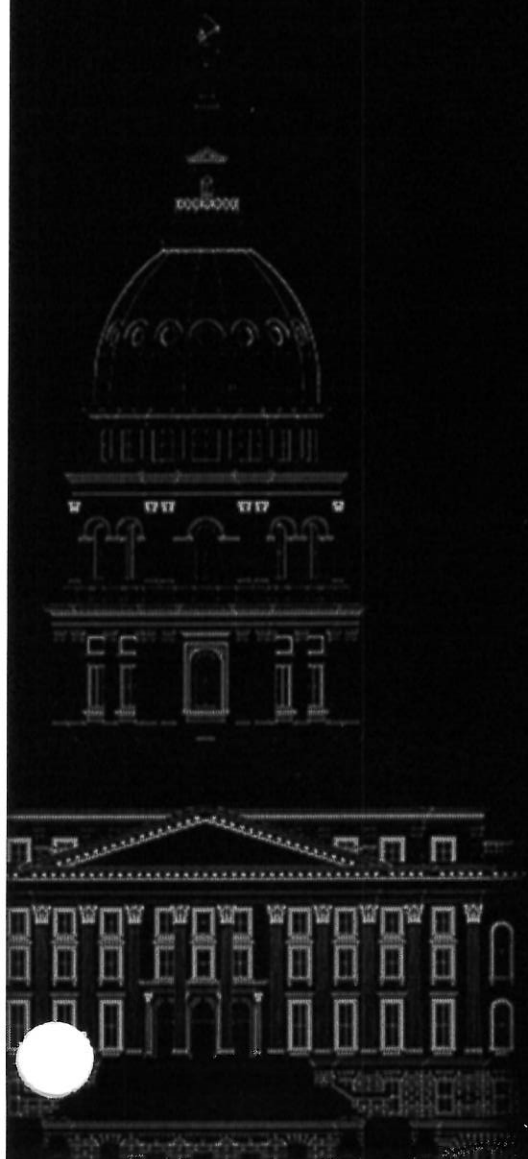
Enterprise RFP Procurement

WLAN Engineering Study

Capitol Wireless Survey

Capitol Wireless White Paper

Legislative Strategic Plan



Determining the path to Security

“Centers of Excellence”

- Allows an agency to serve as “lead” on new technology
- KDOT has served as the “Center of Excellence” on the WLAN technology
- Cross-agency effort was used to facilitate the best solution for ALL agencies
- Provided management leadership, staffing, etc., to move WLAN technology forward in State Government

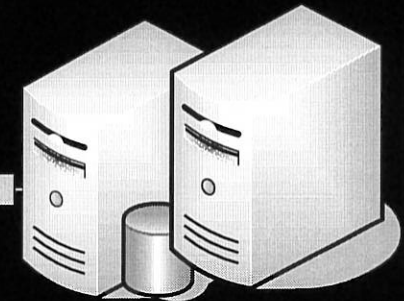
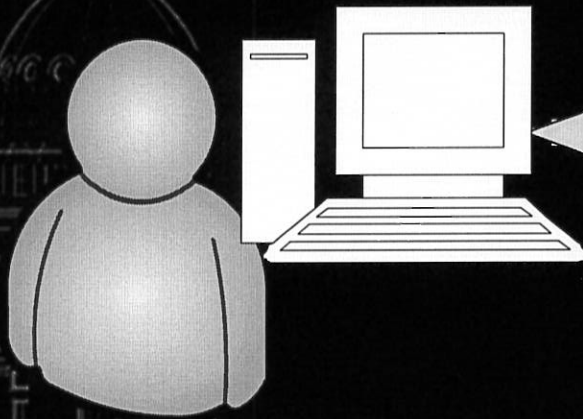
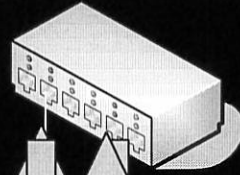
Details Details



The traditional “wired” method

5-11

Enterprise
Ethernet Switch



LAS Servers

(a.k.a. “Server Farm”)

Category-5/6 Cables

Just by plugging your PC into a jack, you’re “on the network” – and have a TCP/IP address

The Gold Standard of Security

State WLAN Networks for:

- Guests
- Business Use



Keep 'em separate and keep 'em safe!!!

● Kansas WLAN Guest Network

● “Guest” WLAN Network

- “Open” network
- NO encryption
- Data is transmitted “in the clear”
- “Guests” cannot hack each other
- Bandwidth is rate-limited
- Outbound ONLY
- Userid / Password (FREE) required

The Gold Standard of Security

Legislative Business Class Network

IEEE 802.11i WLAN
Security Standard

802.1x
Authentication

AES
Encryption

Network Security Tools
Intrusion Prevention/Detection
Virtual Private Networks
Firewalls/Appliances, Biometrics, etc.

The Gold Standard of Security

Legislative Business Class Network

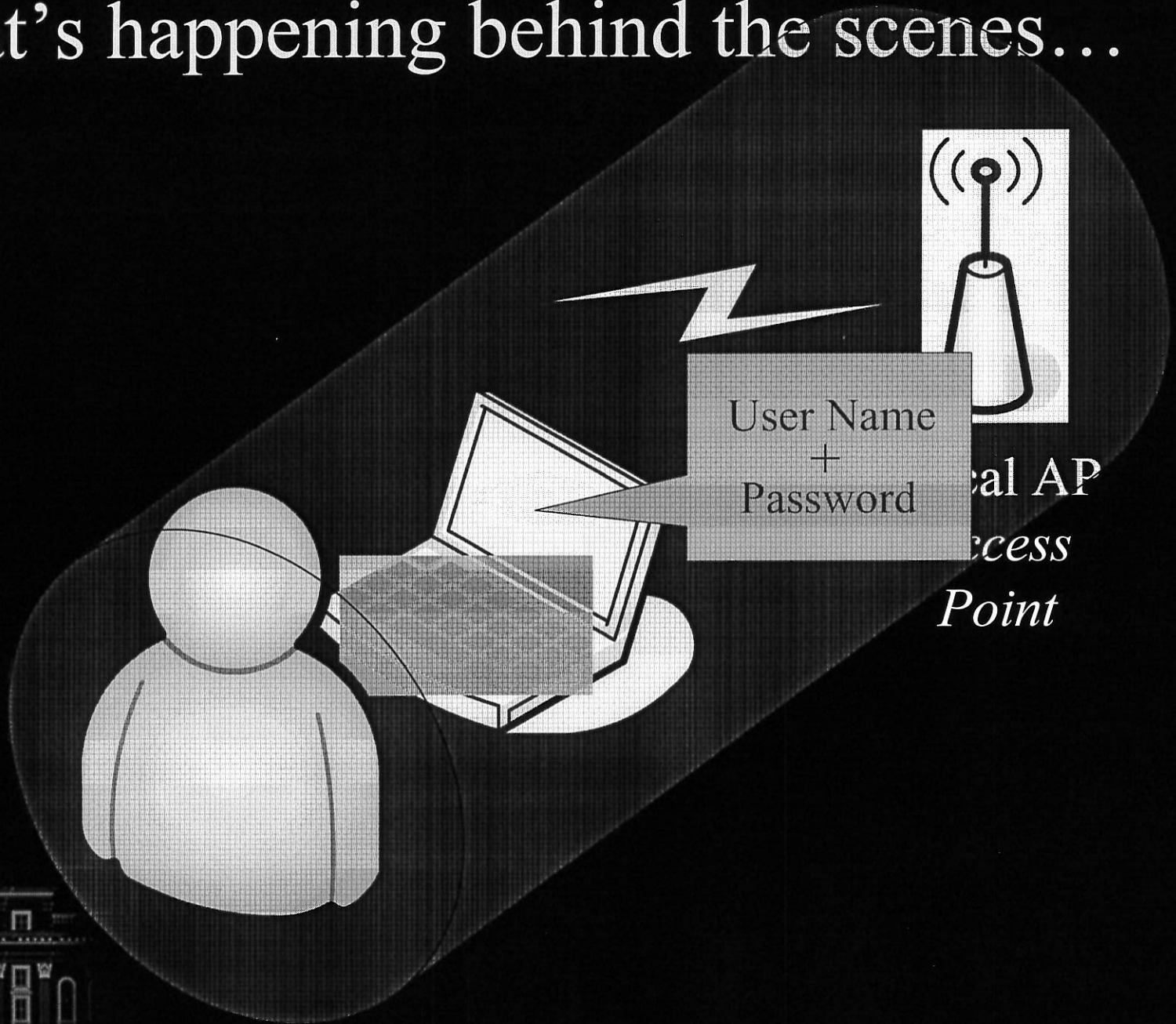
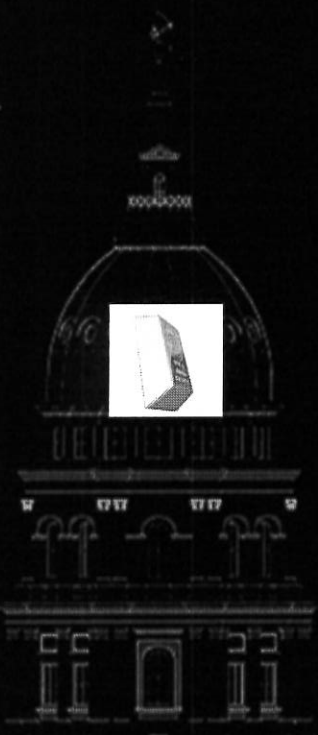
IEEE 802.11i WLAN
Security Standard

802.1x
Authentication

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Encryption

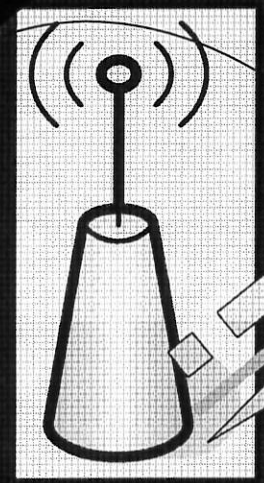
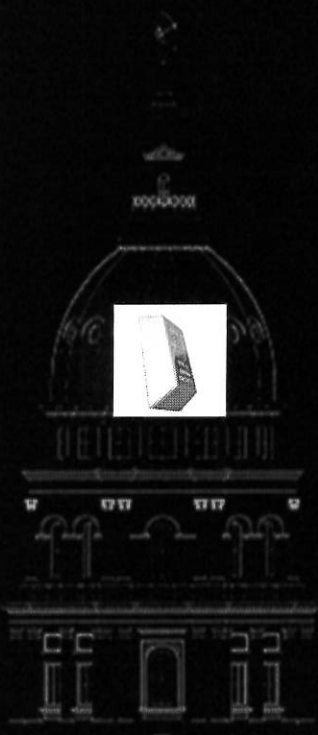
Network Security Tools
Intrusion Prevention/Detection
Virtual Private Networks
Firewalls/Appliances, Biometrics, etc.

● What's happening behind the scenes...

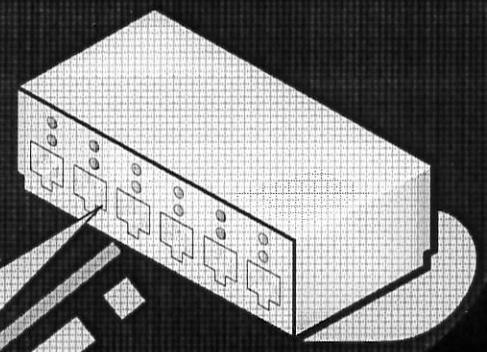
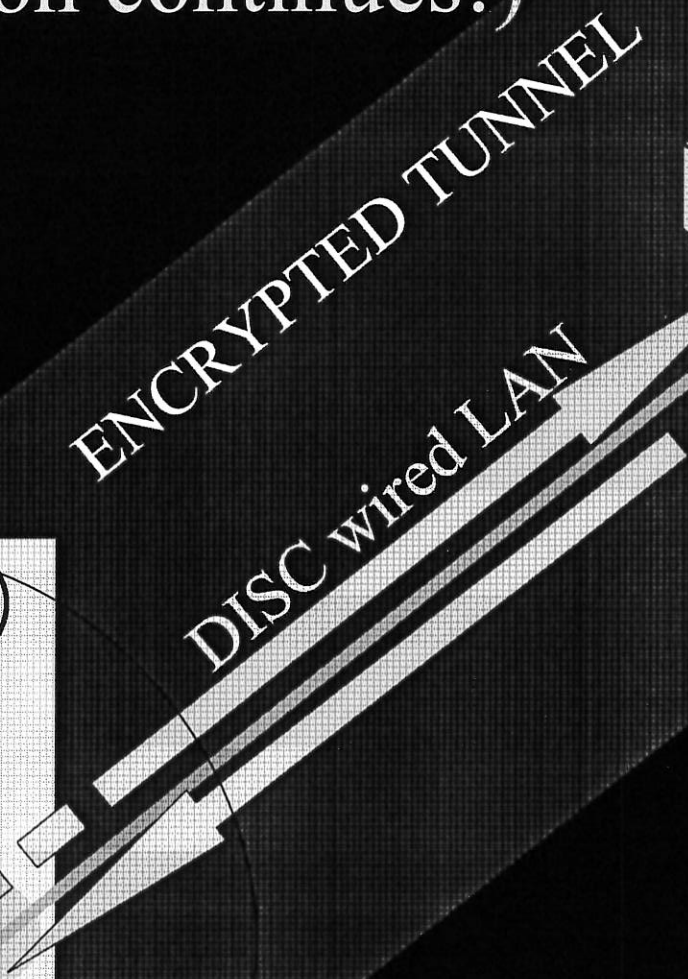


al AP
ccess
Point

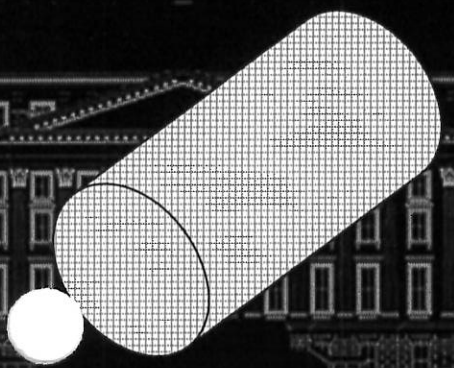
What's happening behind the scenes...
(and the authentication continues!)



Local AP
*Access
Point*

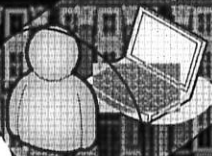
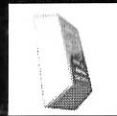
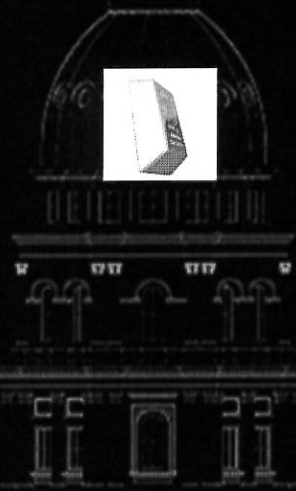
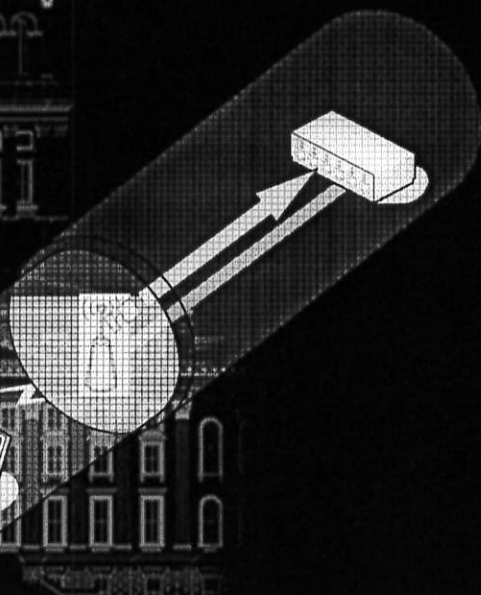
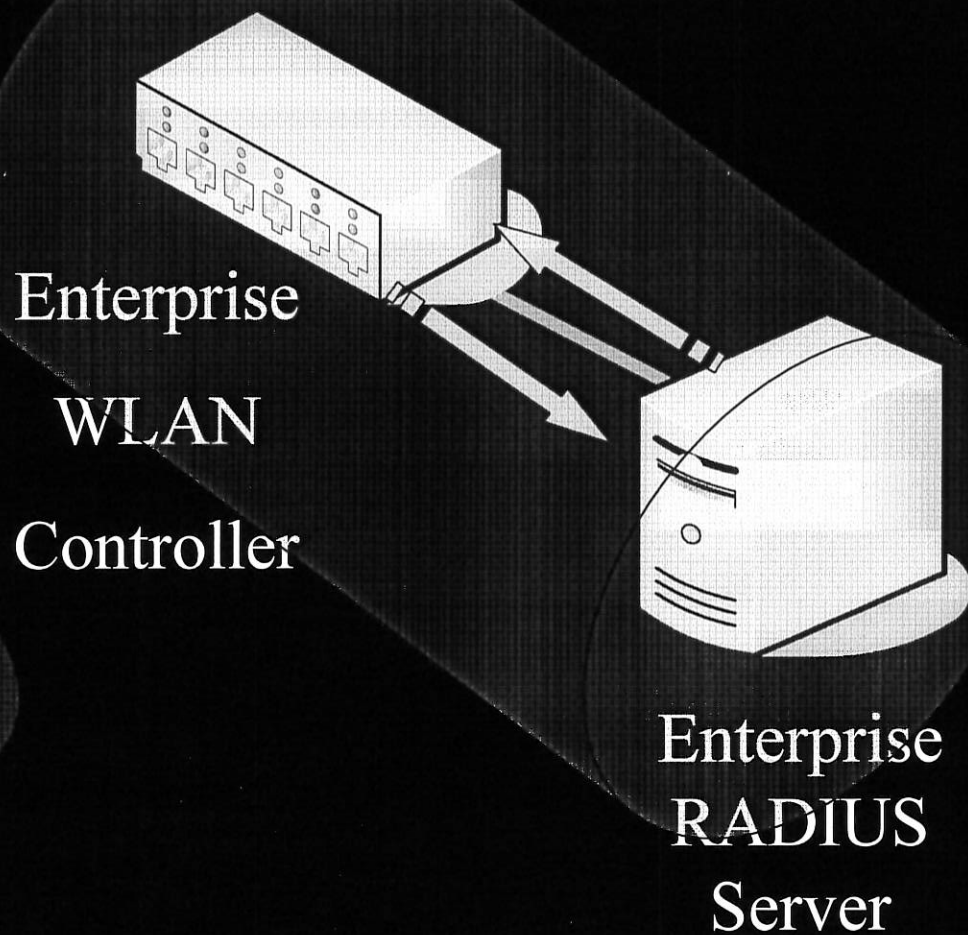


Enterprise
WLAN
Controller



What's happening behind the scenes... (But wait! There's more!)

5-18

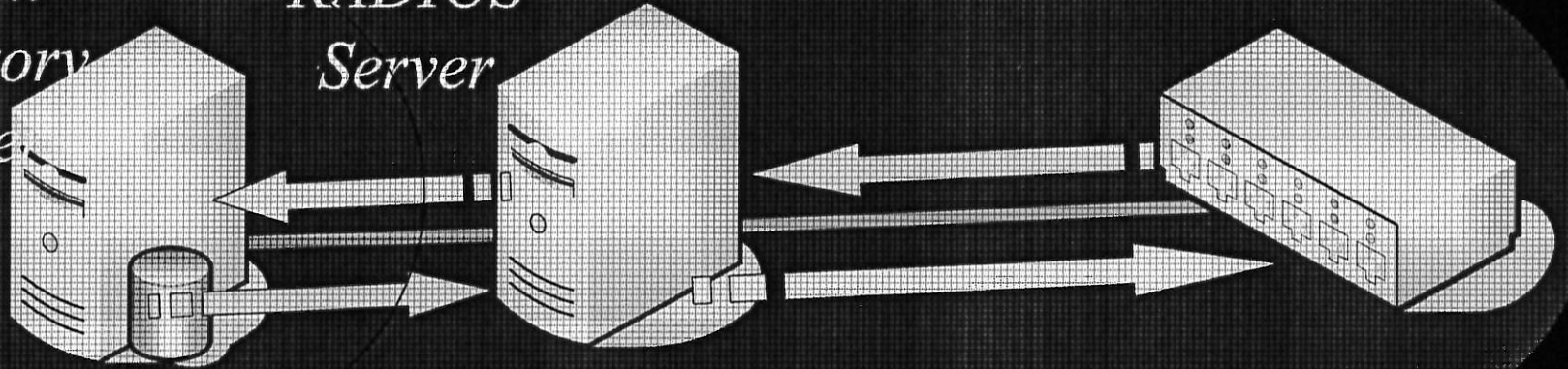


What's happening behind the scenes... (and more!)

4-5

LAS ID
Novell
Directory
Server

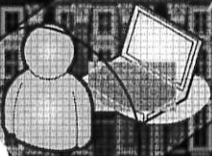
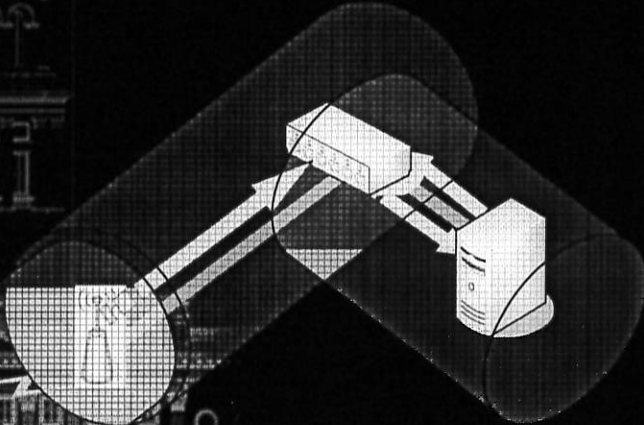
LAS
RADIUS
Server



Enterprise

WLAN

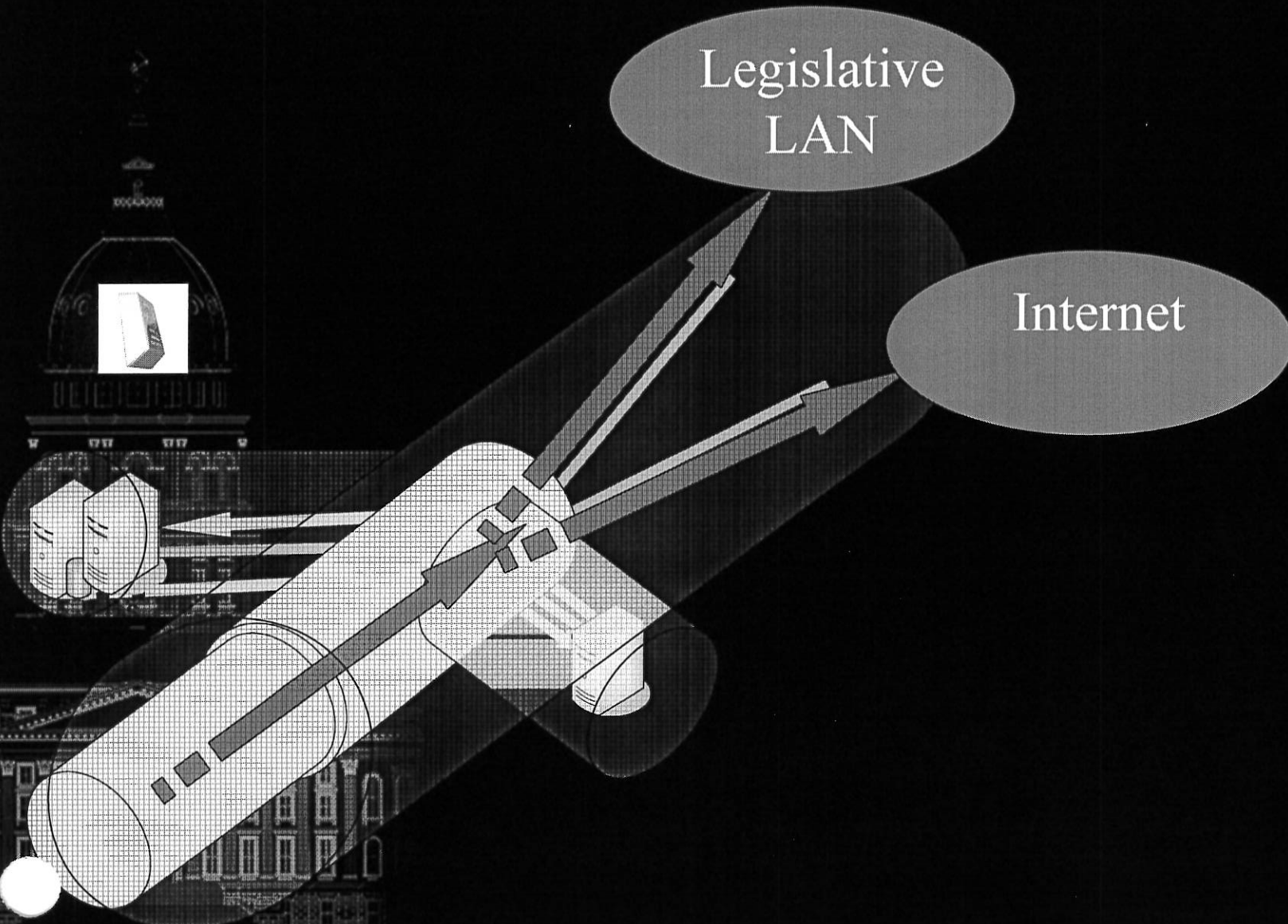
Controller



What's happening behind the scenes...
You're finally fully authenticated!

Legislative
LAN

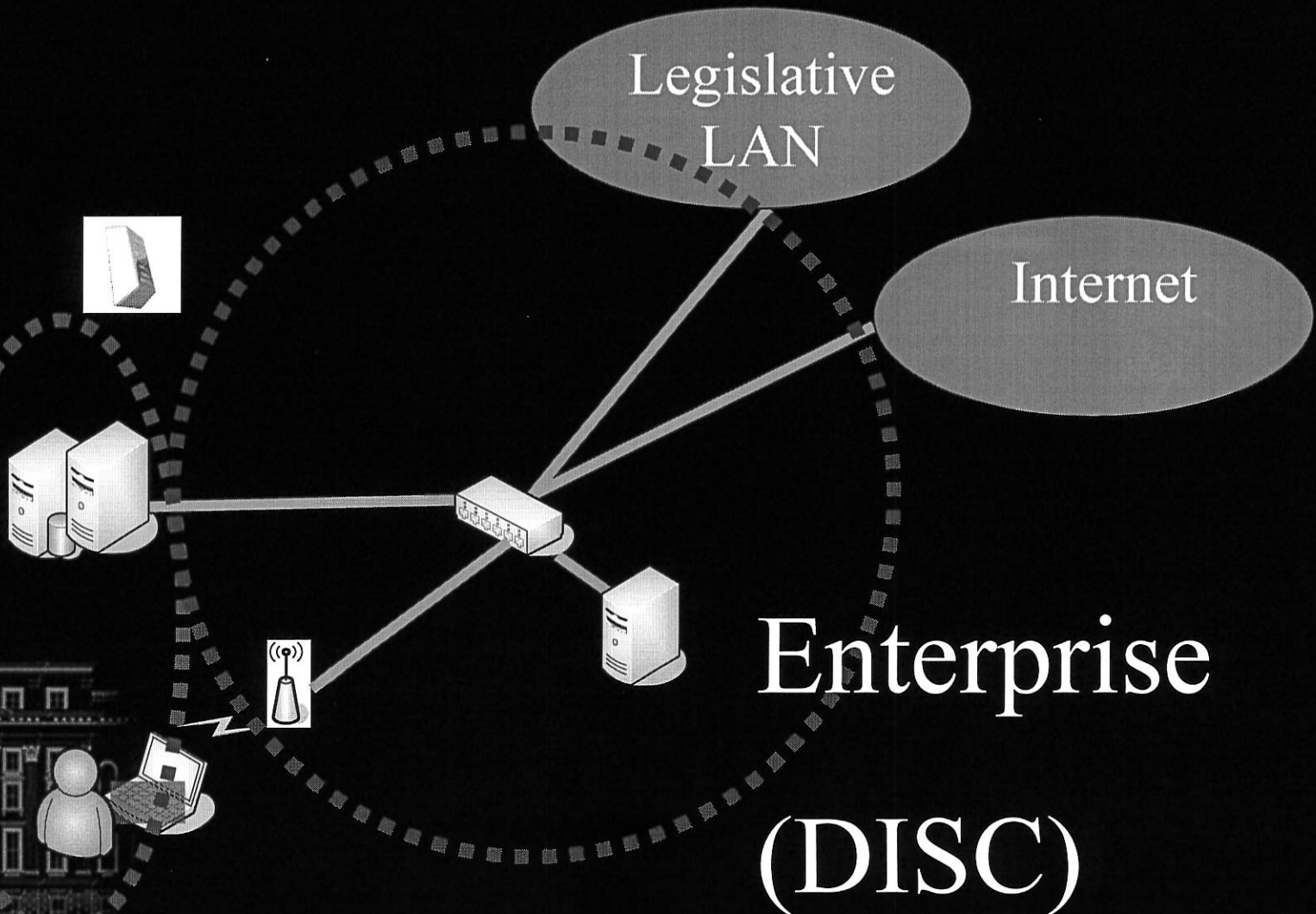
Internet



“Pay no attention to the man behind the curtain!”
Who’s doing what?

5-21

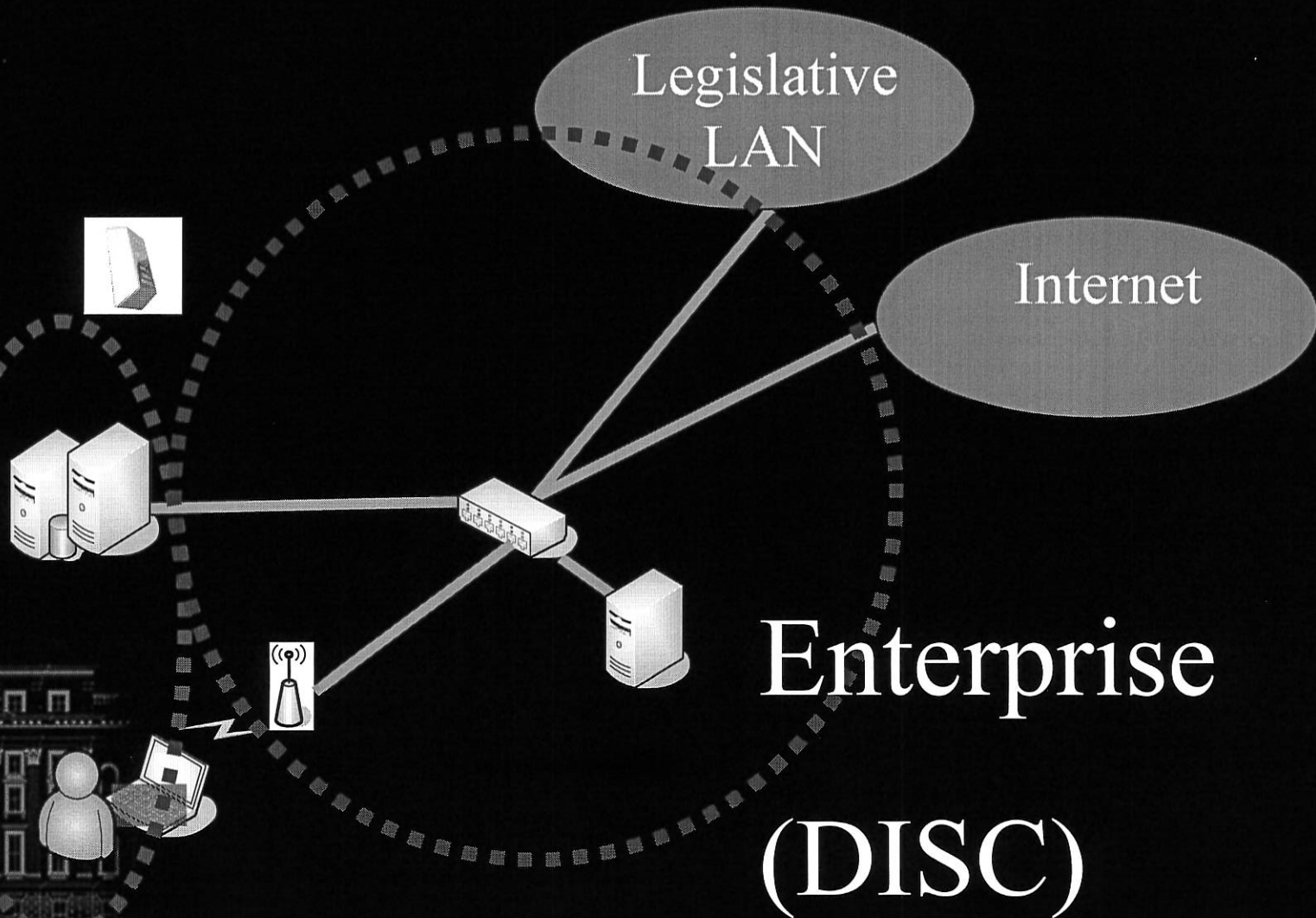
LAS



Enterprise
(DISC)

“Pay no attention to the man behind the curtain!”
Who’s doing what?

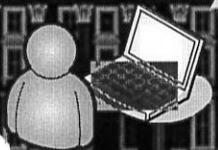
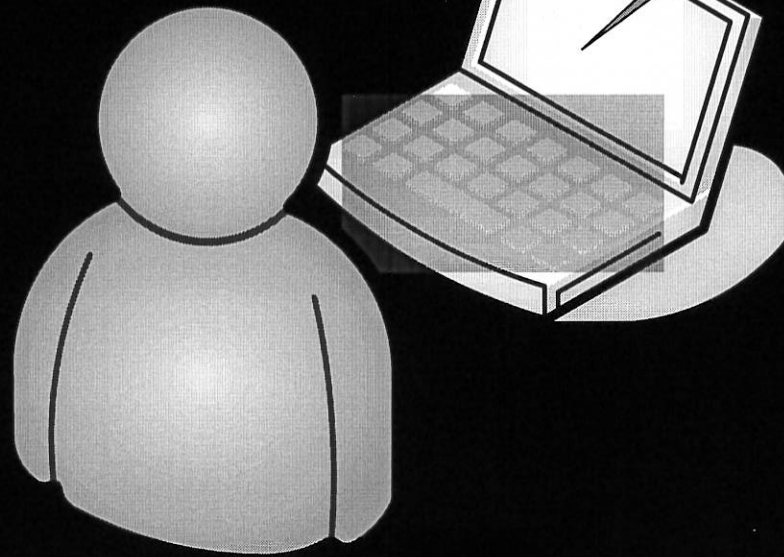
LAS



Enterprise
(DISC)

Now you know.... “The Rest of the Story”

Username
Groupwise
VALID
+
Email
USER!
Password



CONCLUSION

- 802.11i – Security Standard

- 802.1x authentication

- WPA2 (AES) encryption

- KS-Agency / KS-Agency-A

Guests will have access

- KS-Guest SSID

Demonstration / Q&A



5-24