

POLICY 1420.00

Issued Date: December 4, 2002  
Effective Date: December 11, 2002

**Infrastructure: Wireless; LANS, WDCN, Security**

**1.0 Purpose:** The goal of standards established under this policy are to reduce the risk of unauthorized access to State of Michigan information technology resources, prevent unauthorized disclosure of protected information, and maintain resource accountability in any deployment of wireless networking technology.

**2.0 Revision History:**

<i>Date</i>	<i>Revision Number</i>	<i>Change</i>	<i>Reference Section</i>
11-Dec-02	1 <sup>st</sup> Publication		

**3.0 Persons, Groups, & Systems Affected:** End-users, network & system administrators; and local area networks and the MPSCS (Michigan Public Safety Communication System) (800 MHz. wireless) when its client devices are used to connect to host computer systems. Use of any media type digital wireless networking products to provide access to State of Michigan information technology networks and resources is subject to this policy and resulting standards.

**4.0 Policy:**

4.1 All connections or extensions to the State of Michigan internal network (SOM-NET) including L-MAN and SOM-WAN are the responsibility of the Department of Information Technology, Infrastructure Services, Telecom and Network Management. Michigan Public Safety Communication System Staff and Infrastructure Services will coordinate any uses of data network extensions over the MPSCS.

A. Use of wireless networking technologies in the 802 series present major risks to the integrity of resources and data residing on the State of Michigan’s network infrastructure. The risks associated with wireless networking must be mitigated and managed to allow the use of wireless connectivity technologies on State networks and for long haul bridging from building to building.

(1) All long haul (building to building) wireless network extensions to the State of Michigan networks must be implemented and managed by Infrastructure Services, Telecom and Network Management and approved by the Office of Security and Disaster Recovery. Any wireless implementations done by Agencies or Agency Services’ OUs (operational units) staff prior to publication of this policy must be either disconnected or inventoried, reported, and reviewed for compliance with security policy and standards within six months of publication of this policy.

- (2) LAN (local area networks), HAN (home area networks), and authorized PAN (personal area networks) that are connected to or with wireless networking components in any way to SOM-NET must meet the security criteria established by the wireless standards. The standards shall provide for the authorization, installation, and use of wireless LAN products only under a centralized management model for connecting nodes, and shall include wireless media encryption, and a minimum of two-tier authentication methods.
- B. Web browser enabled wireless cellular phones and wireless-digital-modems installed in laptop and handheld computing devices can be used to connect to State of Michigan web sites through the Internet. The associated risks to the integrity of resources and data residing on the State of Michigan's network infrastructure by connecting wireless is equal to the risks presented by any use of the Internet to conduct SOM business. Similar cautions must be observed to maintain system and data integrity when connections are made over wireless media.
- (1) Digital-wireless-modem devices on cellular phone networks providing service connections to the Internet may be used to connect to SOM information technology resources via an SSL/TSL enabled web browser connection.
  - (2) Single-client node VPNs using a digital-wireless-modem on cellular phone networks to connect to SOM information technology resources via the Internet is also permitted by this policy and standard number 1410.21.
- C. Compliance with all applicable current security and data integrity criteria is required to permit use of wireless networking technologies on SOM-NET nodes.

#### **5.0 Definitions:**

SOM-NET describes the State of Michigan TCP/IP networks, including L-MAN, and SOM-WAN.

OUs describes DIT personnel providing direct agency support functions.

LAN - refers to local area networks

WDCN - Wireless Digital Cellular-Telephone Networks operated by telephone companies.

#### **6.0 Responsibilities**

- 6.1 Contract Management and Purchasing are responsible for ensuring compliance with this policy and purchase only approved products and services for approved projects.
- 6.2 System and network administrators will not connect wireless nodes to SOM-NET resources and networks without prior approval from the Chief Security Officer and coordination for installation by Telecom and Network Management staff.
- 6.3 Telecom staff will install and manage, all wireless network access and integrate authentication into existing enterprise security models.
- 6.4 Agency OUs will inventory and report to Enterprise Security any existing wireless network connections, products, or projects. Enterprise Security will evaluate any existing installations as reported to achieve compliance with policy and standards.
- 6.5 End-users connecting to State of Michigan networks via dialup or VPN connections over shared media from remote locations will disconnect wireless home area network LAN devices prior to connecting and authenticating to SOM systems.
- 6.6 Accommodations for end-users computing devices connecting to network resources facilitated by Michigan Public Safety Communication System (800 MHz. wireless) will be

coordinated by MPSCS Staff, Enterprise Security, MSP Security, and Telecom and Network Management to ensure satisfactory security levels are maintained.

**7.0 Procedures:** Not applicable at this time.

The policy described in this section sets a minimum level of conformance that will be implemented across the Enterprise. State Departments desiring to implement more stringent practices and procedures for their information technology environments may do so with the approval of Enterprise Security.

Authority is The Management and Budget Act, Public Act 431 of 1984, as amended, § 203.

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