POLICY STATEMENT 131
NETWORK SECURITY

Monitoring Unit: Information Technology Services
Initially Issued: July 21, 2023

PURPOSE

As an institution of higher education, the Louisiana State University A&M Baton Rouge Campus ("University" or "LSUAM") is charged with maintaining systems and data for administrative, academic, and research purposes. All systems and applications rely on a robust network infrastructure. Security of the network infrastructure is paramount and thus must be managed with a formalized Network Security Policy.

The purpose of this policy is to define the required processes and activities pertaining to network security.

DEFINITIONS

Firewall - A device or program that controls the flow of network traffic between networks or hosts that employ differing security postures.

Intrusion Detection Systems (IDS) – A security service that monitors and analyzes network or system events for the purpose of finding and providing real-time or near real-time warning of attempts to access system resources in an unauthorized manner.

Intrusion Prevention Systems (IPS) – Systems which can detect an intrusive activity and can also attempt to stop the activity, ideally before it reaches its targets.

Remote Access – Access to an organizational asset by a user (or another asset) communicating through an external, non-organization-controlled network (e.g., the Internet).

POLICY STATEMENT

A. Network Architecture
    1. LSUAM shall implement processes and procedures for network design and architecture that support redundancy and scalability.
    2. LSUAM shall develop processes and procedures for management of network configuration.
    3. LSUAM shall develop processes and procedures for an asset's placement on enterprise network.
    4. LSUAM shall define requirements for attaining access to the network.

B. Network Firewall Devices and Appliances

1. LSUAM shall implement firewall devices/appliances at identified locations within a network based on a defined criterion.
2. LSUAM shall define and document default enterprise firewall configuration.
3. LSUAM shall conduct periodic reviews of enterprise firewall rulesets and configurations.

C. IDS/IPS
1. LSUAM shall implement IDS/IPS services at appropriate network locations.
2. LSUAM shall define processes and procedures for IDS/IPS related alerts.

D. Remote Access
1. LSUAM shall identify and implement appropriate technologies that support remote access to enterprise network.
2. LSUAM shall develop processes and procedures that support remote access to enterprise network.

E. Wireless
1. LSUAM shall define standards for wireless network use within the institution.
2. LSUAM shall define processes and procedures for supported wireless network configuration.

F. Cloud Based Network
1. LSUAM shall define security requirements for cloud-based networks associated with the institution.

STANDARDS

A. The Network Architecture standards are outlined in PS-131-ST-1.
B. The Network Firewall Devices and Appliances standards are outlined in Standard PS-131-ST-2.
C. The IDS/IPS standards are outlined in Standard PS-131-ST-3.
D. The Remote Access standards are outlined in Standard PS-131-ST-4.
E. The Wireless standards are outlined in Standard PS-131-ST-5.
F. The Cloud Based Network standards are outlined in Standard PS-131-ST-6.

EXCEPTIONS AND NON-COMPLIANCE

- Please refer PS-120-ST-4 for additional information related to exceptions.
- Please refer PS-120 for additional information related to Policies and Standards non-compliance.

REVISION HISTORY

Version	Date	Change Description	Edited By
0.1	7/21/2023	Initial Draft	Information Technology Services