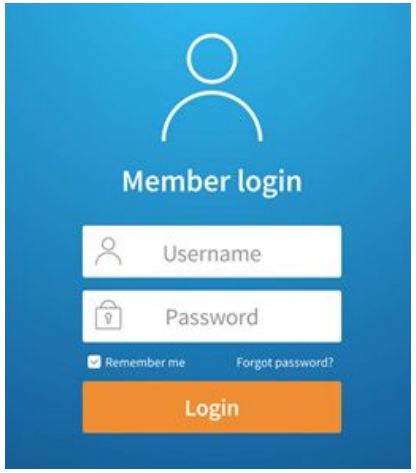
Access Control

"Access control is the process of granting or denying requests to use information, use information processing services, and enter company facilities."
(Sec. 3.1 NIST Handbook 162)

C001 Establish system access requirements

AC.1.001 Limit system access to authorized users, processes acting on behalf of authorized users, and devices (including other systems)



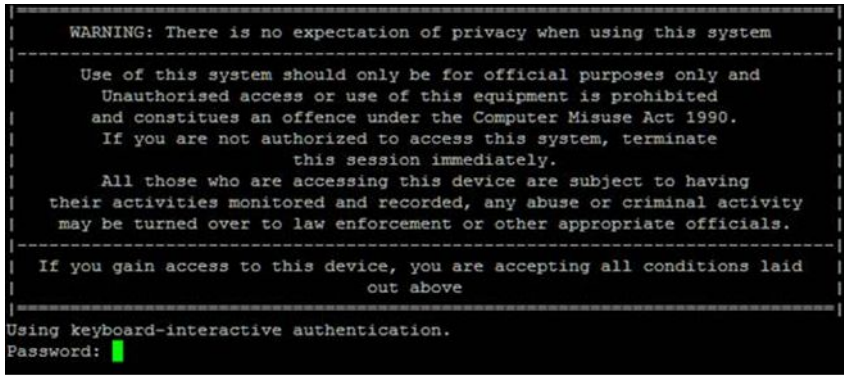
Audit Objective

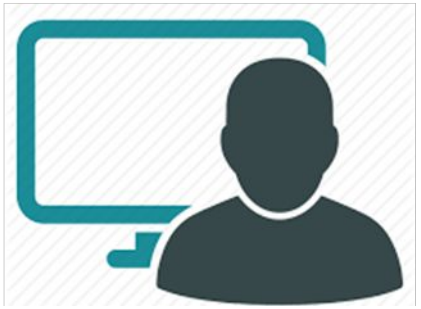
Acceptable Evidence

Interviews

Evaluate/ Test

AC.2.005 Provide privacy and security notices consistent with applicable CUI rules





Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test

AC.2.006 Limit use of portable storage devices on external systems

Audit Objective

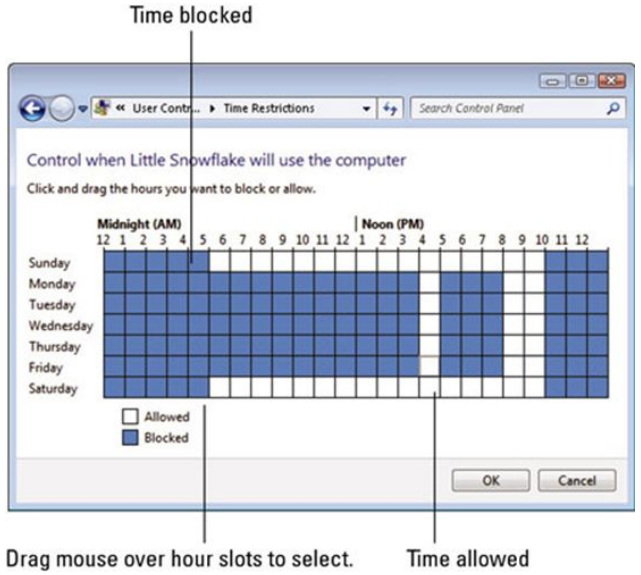
Acceptable Evidence

Interviews

Evaluate/ Test

C002 Control Internal system access

AC.1.002 Limit system access to the types of transactions and functions that authorized users are permitted to execute



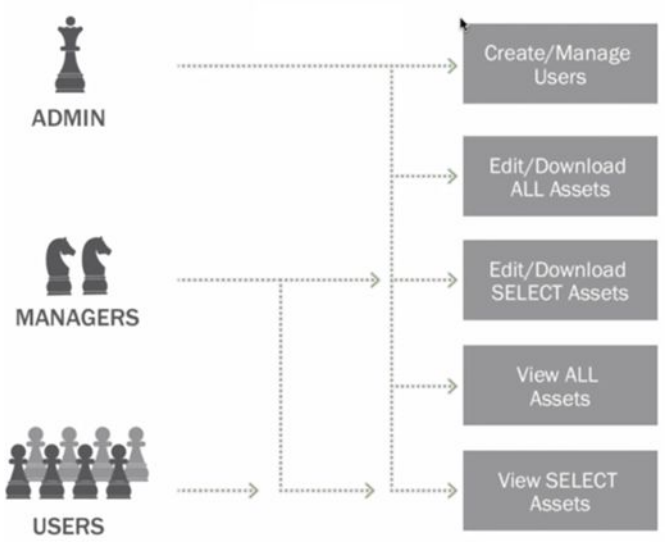
Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test

AC.2.007 Employ the principle of least privilege, including for specific security functions and privileged accounts



Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test

AC.2.008 Use non-privileged accounts or roles when accessing non-security functions

Non-privileged access

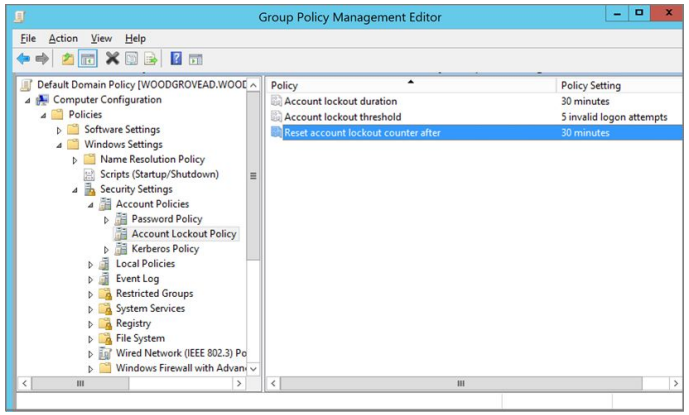
Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test

AC.2.009 Limit unsuccessful logon attempts



Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test

AC.2.010 Use session lock with pattern-hiding displays to prevent access and viewing of data after a period of inactivity

Information is hiding or blurred out.

User is locked out.

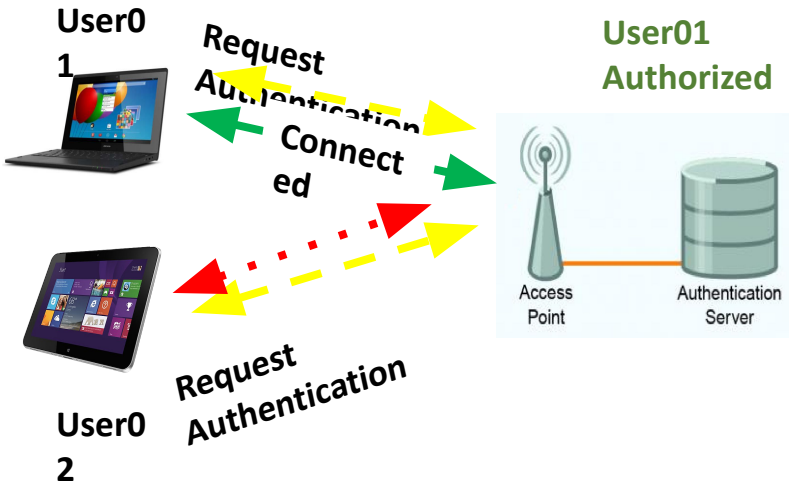
Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test

AC.2.011 Authorize wireless access prior to allowing such connections



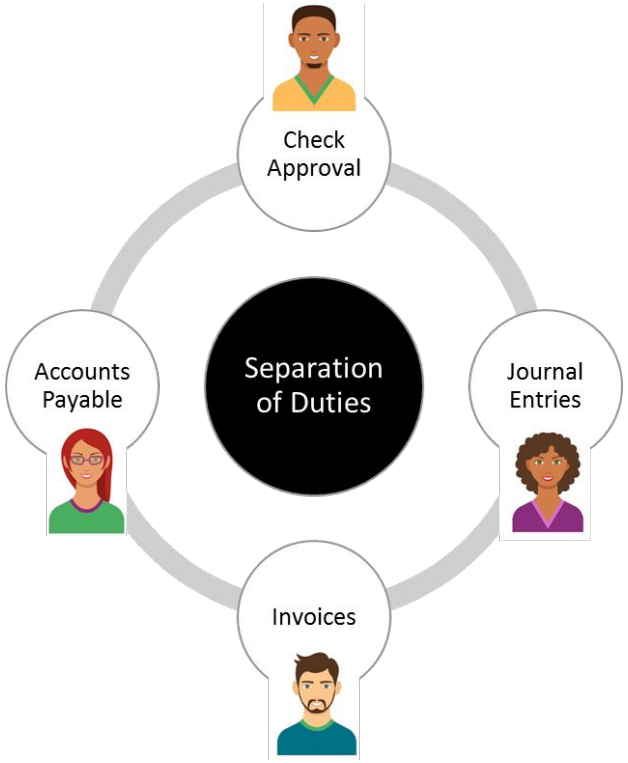
Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test

AC.3.017 Separate the duties of individuals to reduce the risk of malevolent activity without collusion



Audit Objective

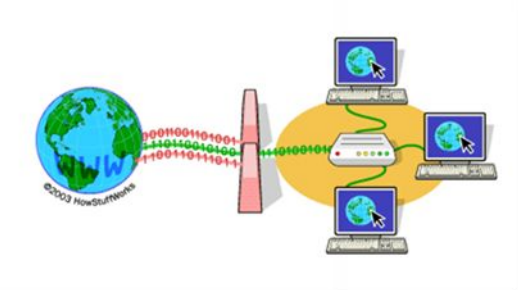
Acceptable Evidence

Interviews

Evaluate/ Test

AC.3.018 Prevent non-privileged users from executing privileged functions and capture the execution of such functions in audit logs

Cannot execute privileged functions



Non-privileged access

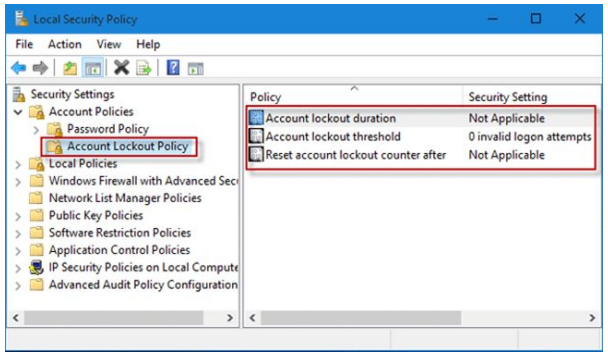
Audit Objective

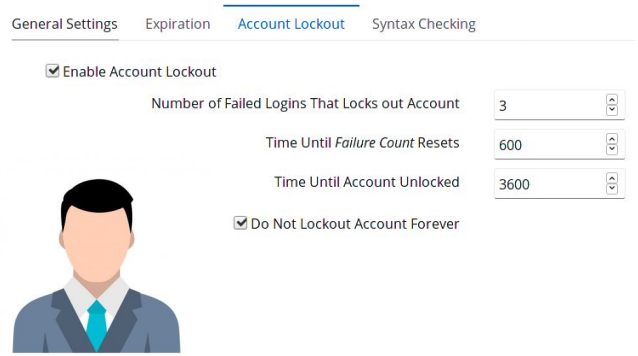
Acceptable Evidence

Interviews

Evaluate/ Test

AC.3.019 Terminate (automatically) a user session after a defined condition





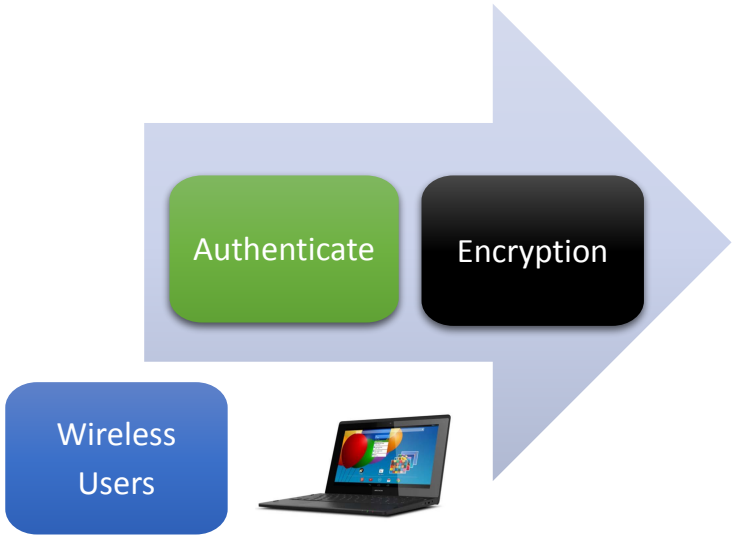
Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test

AC.3.012 Protect wireless access using authentication and encryption



Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test

AC.3.020 Control connection of mobile devices

Audit Objective

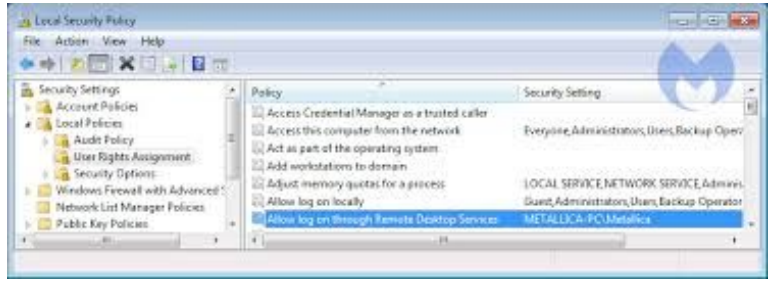
Acceptable Evidence

Interviews

Evaluate/ Test

C003 Control remote system access

AC.2.013 Monitor and control remote access sessions



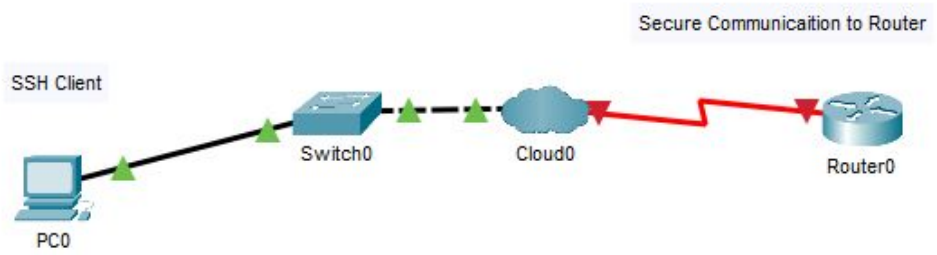
Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test

AC.2.015 Route remote access via managed access control points



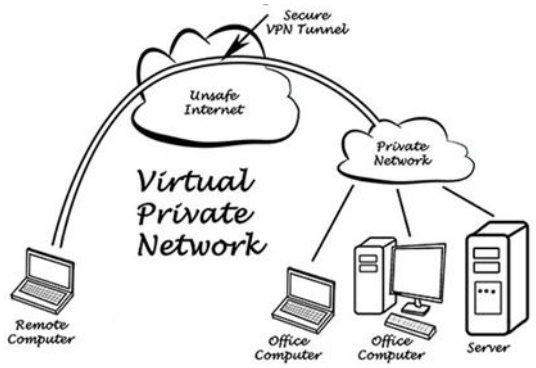
Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test

AC.3.014 Employ cryptographic mechanisms to protect the confidentiality of remote access sessions



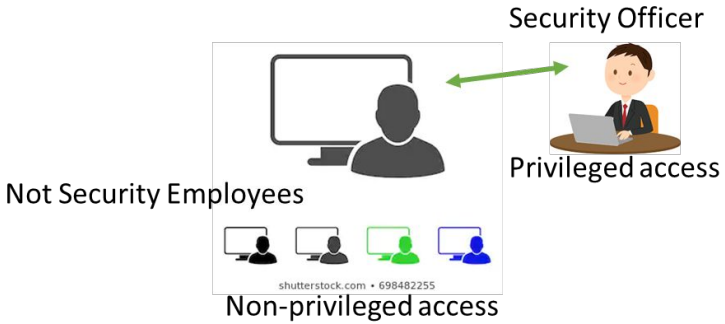
Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test

AC.3.021 Authorize remote execution of privileged commands and remote access to security-relevant information



Audit Objective

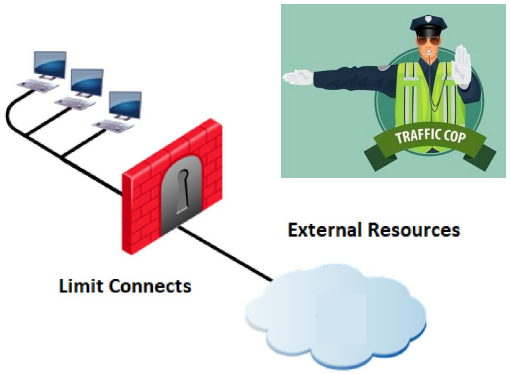
Acceptable Evidence

Interviews

Evaluate/ Test

C004 Limit data access to authorized users and processes

AC.1.003 Verify and control/limit connections to and use of external systems



Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test

AC.1.004 Control CUI posted or processed on publicly accessible systems

Posting company data on social media NOT allowed!!

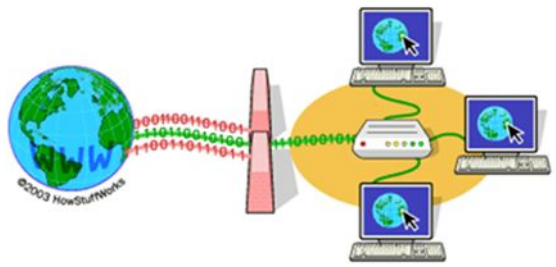
Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test

AC.2.016 Control the flow of CUI in accordance with approved authorizations



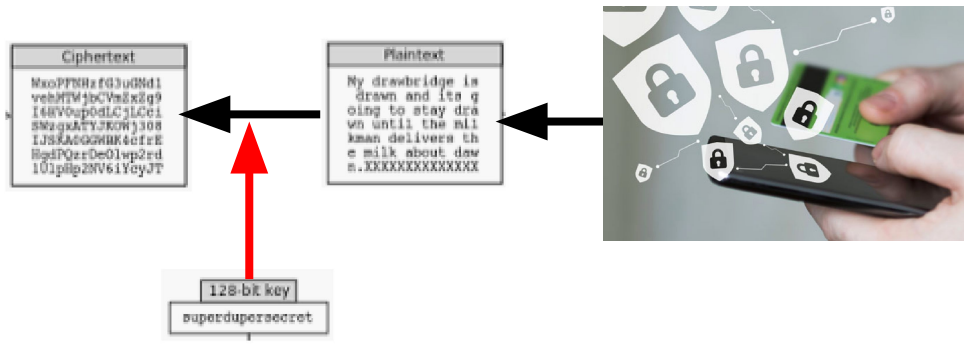
Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test

AC.3.022 Encrypt CUI on mobile devices and mobile computing platforms



Assessment Documentation and Methods

- Access control policy and all other related documents and records
- Procedures addressing access control for mobile devices
- System security plan and design documentation
- System configuration settings and associated documentation
- Encryption mechanisms and associated configuration documentation
- System audit logs and records

Audit Objective

Acceptable Evidence

Interviews

Evaluate/ Test