Cyber Security - Network Maintenance at ERG

Create the Project Scope Statement

Organisational Objectives
Cyber Security Network Hardening of the organisation's Intrusion Detection Systems, Password Management System, Firewall. Patch and Update all Operating Systems.

Detail Image of Business Processes within the Scope and their Interactions
- This project will require discussions with the administrators and end users of the network.
- A project liaison / project manager will be required from the client to enable clear, and up to date communications during the project.

Project Restraint's are Identified
- Administration documentation such as current policies or procedures may be reviewed if existing but the creation of new policies are out of this project scope.
- The data management system and actual data storage facilities will not form part of this projects scope.
- Review or recommendations for personnel assistance, training or process or procedural requirement's will not form part of this project scope.
- The training personnel to manage or configure network equipment will not form part of this project scope.

Assumptions on the Project are Clarified
- It is assumed all relevant data, information and network access will be provided by the client and bound by a confidentiality agreement prior to its provision.
- It is assumed the client will be available and helpful in completing the project with the suggested project timeframe.
- This project has assumed authority to act has been granted by the client

Critical Project Outcomes
- Hardening of the Firewall
- Hardening of the Network Wide IDS
- Operating Systems Patched and Updated
- Hardening of the Password Management System

Product and Service Statement

Network Maintenance

Password Control Systems
- Network, Operating System and Individual Password Management System Implementation

Operating Systems
- Patching and Security Updates
  - Fixed Desktop and Portable Computers
  - Router and Firewall

Firewall
- Firewall Selection
- Firewall System Hardening
  - Application Restrictions
  - Whitelisting
- Wireless Network Secure Configuration

IDS
- Identifying current IDS Management and Implementation
  - Create an IDS Universal Account and Ensure organisational wide account usage
  - Create a Management System for the IDS

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Link:

1. Network Maintenance

1.1. Password Control Systems

1.1.1. Network, Operating System and Individual Password Management System Implementation

1.2. Operating Systems

1.2.1. Patching and Security Updates

1.2.1.1. Fixed Desktop and Portable Computers

1.2.1.2. Router and Firewall

1.3. Firewall

1.3.1. Firewall Selection

1.3.2. Firewall System Hardening

1.3.2.1. Application Restrictions

1.3.2.2. Whitelisting

1.3.3. Wireless Network Secure Configuration

1.4. IDS

1.4.1. Identifying current IDS Management and Implementation

1.4.1.1. Create an IDS Universal Account and Ensure organisational wide account usage

1.4.1.2. Create a Management System for the IDS

2. Create the Project Scope Statement

2.1. Organisational Objectives

2.1.1. Cyber Security Network Hardening of the organisation's

Intrusion Detection Systems, Password Management System, Firewall. Patch and Update all Operating Systems.

2.2. Detail Image of Business Processes within the Scope and their Interactions

2.2.1. This project will require discussions with the administrators and end users of the network.

2.2.2. A project liaison / project manager will be required from the client to enable clear, and up to date communications during the project.

2.3. Project Restraint's are Identified

2.3.1. Administration documentation such as current policies or procedures may be reviewed if existing but the creation of new policies are out of this project scope.

2.3.2. The data management system and actual data storage facilities will not form part of this projects scope.

2.3.3. Review or recommendations for personnel assistance, training or process or procedural requirement's will not form part of this project scope.

2.3.4. The training personnel to manage or configure network equipment will not form part of this project scope.

2.4. Assumptions on the Project are Clarified

2.4.1. It is assumed all relevant data, information and network access will be provided by the client and bound by a confidentiality agreement prior to its provision.

2.4.2. It is assumed the client will be available and helpful in completing the project with the suggested project timeframe.

2.4.3. This project has assumed authority to act has been granted by the client

2.5. Critical Project Outcomes

2.5.1. Hardening of the Firewall

2.5.2. Hardening of the Network Wide IDS