Polic y Title: Cryptographic Key Establishment and Management

Policy Type: Administrative

Policy Number: ADMINISTRATIVE POLICY # 32 – 8 – 1612 (2014) Cryptographic Key Establishment and Management

Approval Date: 05/28/2014 Revised

Responsible Office: Office of Information Technology

Responsible Executive: CIO

Applies to: Office of Information Technology

POLICY STATEMENT

Cryptographic key establishment and management is necessary to reduce the risk of compromise to the measures taken for encryption of communications used by the University’s information system.

TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>TABLE OF CONTENTS</th>
<th>PAGE NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contacts</td>
<td>1</td>
</tr>
<tr>
<td>Stakeholder(s)</td>
<td>2</td>
</tr>
<tr>
<td>Purpose</td>
<td>2</td>
</tr>
<tr>
<td>Requirements</td>
<td>2</td>
</tr>
<tr>
<td>Violations</td>
<td>2</td>
</tr>
<tr>
<td>Interpretation</td>
<td>2</td>
</tr>
<tr>
<td>Publication</td>
<td>3</td>
</tr>
<tr>
<td>Review Schedule</td>
<td>3</td>
</tr>
<tr>
<td>Related Documents</td>
<td>3</td>
</tr>
</tbody>
</table>

CONTACT(S)

Office of Information Technology – (757)823-2869
STAKEHOLDER(S)

University Faculty & Staff
Office of Information Technology

PURPOSE

This control is intended to establish the policies and procedures for the establishment and management of cryptographic keys used on the University’s information system.

REQUIREMENTS

NSU establishes and manages cryptographic keys for required cryptography employed within the information system.

Supplemental Guidance: Cryptographic key management and establishment can be performed using manual procedures or automated mechanisms with supporting manual procedures. In addition to being required for the effective operation of a cryptographic mechanism, effective cryptographic key management provides protections to maintain the availability of the information in the event of the loss of cryptographic keys by users.

Control Enhancements for Sensitive Systems:

1. NSU maintains availability of information in the event of the loss of cryptographic keys by users.

VIOLATIONS

Violations of this policy will be addressed in accordance relevant University and Commonwealth of Virginia policies, including University Policy 32-01 and Department of Human Resources Management Policy 1.75. The appropriate level of disciplinary action will be determined on an individual case basis by the appropriate executive or designee, with sanctions up to or including termination or expulsion depending upon the severity of the offense.

INTERPRETATION

The Information Security Officer is responsible for official interpretation of this policy. Questions regarding the application of this policy should be directed to the Office of Information Technology. The Information Security Officer reserves the right to revise or eliminate this policy.

PUBLICATION

This policy shall be widely published and distributed to the University community. To ensure timely publication and distribution thereof, the Responsible Office will make every effort to:
1. Communicate the policy in writing, electronic or otherwise, to the University community within 14 days of approval;

2. Submit the policy for inclusion in the online Policy Library within 14 days of approval;

3. Post the policy on the appropriate SharePoint Site and/or Website; and

4. Educate and train all stakeholders and appropriate audiences on the policy’s content, as necessary. Failure to meet the publication requirements does not invalidate this policy.

REVIEW SCHEDULE

- Next Scheduled Review: 05/28/2015
- Approval by, date: Office of Information Technology and 05/28/2014
- Revision History:
  - Supersedes (previous policy): OIT 62.8.1612 Cryptographic Key Establishment and Management

RELATED DOCUMENTS

Virginia Commonwealth State policy SEC501-08 Information Security Standard