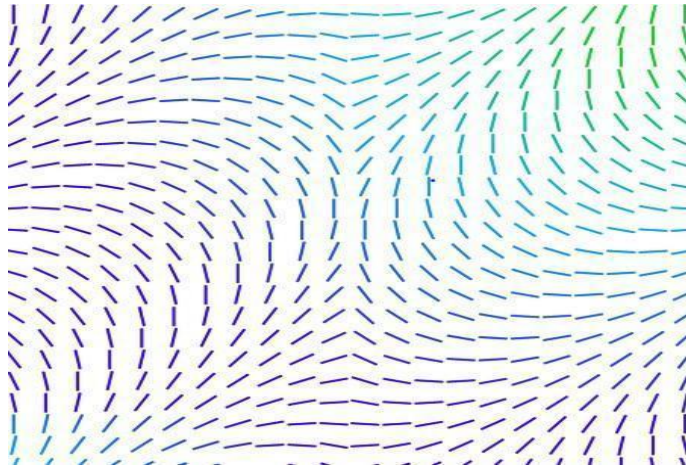




TREPOL 1600

# Information Systems Acquisition, Development, & Maintenance Policy



## Table of Contents

<b>1. Purpose</b>	<b>4</b>
<b>2. Scope</b>	<b>4</b>
<b>3. Target Audience</b>	<b>4</b>
<b>4. Roles and Responsibilities</b>	<b>4</b>
<b>5. Compliance</b>	<b>5</b>
5.1 Compliance	5
5.2 Enforcement and Management	6
5.3 Monitoring and Review of Policy	6
5.4 Policy Approval	6
5.5 Exceptions	6
5.6 Document Location	6
<b>6. Policy</b>	<b>6</b>
6.1 Maintenance	6
6.2 Capital Planning	7
6.3 Secure Development Lifecycle	7
6.4 Information Security in Project Management	7
<b>7. Acquisition Security Requirements</b>	<b>7</b>
7.1 Security Requirements Identification	7
7.2 Third-Party Systems and Solutions	8
7.3 Evaluation, Procurement, and Implementation	8
7.3.1 Third-Party Evaluation Selection	8
7.3.2 Contractual Agreements and their Assurance	8
7.3.3 Development, Testing and Deployment	9
<b>8. Secure Application Development &amp; Maintenance</b>	<b>9</b>
8.1 Application Development and Deployment	9
8.1.1 Application Development	9
8.1.2 Change Management	10
8.2 Segregation of Duties, Controlling Application Code and Configurations	10
8.2.1 Development Environment	10
8.2.2 Production Environment	11
8.2.3 Migration	11
8.3 Quality Assurance (QA)	11
8.3.1 Secure QA	11
8.3.2 Controlled, Dedicated Test Environment	11
8.3.3 Test Data	11
8.3.4 Capacity Planning	11
8.4 Production Support	12

8.4.1 Exception, Error, and Outage Handling	12
8.5 Maintenance and Decommission	12
8.5.1 Security and Vendor Management	12
8.5.2 Licenses	12
8.5.3 Customer Support	13
8.5.4 Upgrades, Patching, Maintenance and Decommission	13
<b>9. Management of Public Key Infrastructure (PKI)</b>	<b>14</b>
9.1 Access to Cryptographic Keys	14
9.2 Management Responsibility Delegation	14
9.3 Storage of Cryptographic Keys	15
9.4 Generation of Strong Keys	15
9.5 Secure Key Distribution	15
9.6 Periodic Key Changes	15
9.7 Destruction of Old Keys	15
9.8 Prevention of Unauthorized Key Substitution	15
9.9 Replacement of Known or Suspected Compromised Keys	15
9.10 Revocation of Old or Invalid Keys	15
9.11 Key Custodian Responsibilities	15
<b>10. Securing Hardware</b>	<b>16</b>
10.1 Purchasing, Installing, Issuing Hardware	16
10.2 Cabling and Power Supplies	16
10.3 Consumables	16
10.4 Additional Hardware Maintenance Policies	17
<b>11. References</b>	<b>17</b>
<b>12. Definitions and Acronyms</b>	<b>17</b>
<b>13. Revision History</b>	<b>18</b>
<b>14. Approvals</b>	<b>18</b>