



XML Examples for BOE

BOE-Examples

Version 2018-APR

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Chapter 1 - Introduction

1.1 - Purpose

This is an informative supplement for BOE. This document provides concrete examples of XML files implementing BOE elements and attributes.

Chapter 2 - Example Files

2.1 - instance1.xml

```
<?xml-model href="../../../Schematron/ISM/ISM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><?xml-model href="../../../Schematron/BOE/BOE_XML.sch"
type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?><BOE xmlns="urn:us:gov:ic:boe"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:boe="urn:us:gov:ic:boe"
  xsi:schemaLocation="urn:us:gov:ic:boe ../../Schema/BOE/BOE.xsd"
  boe:DESVersion="201804">
  <arh:Security xmlns:arh="urn:us:gov:ic:arh"
    ism:DESVersion="202111.202211"
    ism:ISMCA TCESVersion="202211"
    ism:resourceElement="true"
    ism:compliesWith="USGov USIC"
    ism:createDate="2017-09-28"
    ism:classification="U"
    ism:ownerProducer="USA"/>
  <SystemInformation>
    <SystemName ism:classification="U" ism:ownerProducer="USA">SystemName0</SystemName>
    <SystemIdentifier ism:classification="U" ism:ownerProducer="USA">SystemIdentifier0</SystemIdentifier>
    <SystemVersion ism:classification="U" ism:ownerProducer="USA">SystemVersion0</SystemVersion>
    <OrganizationName ism:classification="U" ism:ownerProducer="USA">OrganizationName0</OrganizationName>
    <InformationTechnologyType ism:classification="U"
      ism:ownerProducer="USA"
      boe:typeOfService="ENCLAVE"
      boe:isStandalone="true"/>
    <SecurityCategorization ism:classification="U" ism:ownerProducer="USA">
      <Confidentiality ism:classification="U"
        ism:ownerProducer="USA"
        boe:response="MODERATE"/>
      <Integrity ism:classification="U"
        ism:ownerProducer="USA"
        boe:response="MODERATE"/>
      <Availability ism:classification="U" ism:ownerProducer="USA" boe:response="LOW"/>
    </SecurityCategorization>
    <SystemShortName ism:classification="U" ism:ownerProducer="USA">SYSTEM</SystemShortName>
    <NationalSecuritySystem boe:response="true" ism:classification="U" ism:ownerProducer="USA"/>
    <OperationalEnvironment boe:response="TEST" ism:classification="U" ism:ownerProducer="USA"/>
    <DataAuthorizationLevel ism:classification="U" ism:ownerProducer="USA">
      <Clearance xmlns="urn:us:gov:ic:uias">U</Clearance>
      <HandlingControls xmlns="urn:us:gov:ic:uias">FOUO</HandlingControls>
    </DataAuthorizationLevel>
  </SystemInformation>
  <SSP>
    <AuthorizationBoundaryDiagram ism:classification="U" ism:ownerProducer="USA">
      <URI>./images/authBoundries.jpg</URI>
      <Description ism:classification="U" ism:ownerProducer="USA">Image alt-text.</Description>
    </AuthorizationBoundaryDiagram>
    <AuthorizationStatus ism:classification="U" ism:ownerProducer="USA">ATO</AuthorizationStatus>
    <AuthorizationTerminationDate ism:classification="U" ism:ownerProducer="USA">2020-05-04T18:13:51Z</AuthorizationTerminationDate>
    <CryptographicKey>
      <FIPSValidatedUnclass boe:response="false" ism:classification="U" ism:ownerProducer="USA">This is a classified system, unclass validation not necessary.</
```

```
FIPSVvalidatedUnclass>
    <FIPSVvalidatedCompartment boe:response="true" ism:classification="U" ism:ownerProducer="USA"/>
    <NSAApprovedCrypto boe:response="true" ism:classification="U" ism:ownerProducer="USA"/>
</CryptographicKey>
<EAuthenticationAssessment ism:classification="U" ism:ownerProducer="USA" boe:response="false"/>
<ExternalSecurityServices ism:classification="U" ism:ownerProducer="USA">
    <SecurityService boe:name="OAuth"
        boe:provider="Google"
        boe:meetsOrgSecurityRequirements="true">
        <Description ism:classification="U" ism:ownerProducer="USA">blah blah blah</Description>
    </SecurityService>
</ExternalSecurityServices>
<HardwareInventory ism:classification="U" ism:ownerProducer="USA">
    <HardwareComponent ism:classification="U" ism:ownerProducer="USA">
        <Name>Foo</Name>
        <OwnerManufacturer>Bar</OwnerManufacturer>
        <Version>1G876</Version>
    </HardwareComponent>
</HardwareInventory>
<SoftwareInventory ism:classification="U" ism:ownerProducer="USA">
    <SoftwareComponent boe:softwareCategory="OSS"
        ism:classification="U"
        ism:ownerProducer="USA">
        <Name>Python</Name>
        <OwnerManufacturer>Python Software Foundation</OwnerManufacturer>
        <Version>3.1</Version>
    </SoftwareComponent>
</SoftwareInventory>
<ExternalSystemInterfaceDiagram ism:classification="U" ism:ownerProducer="USA">
    <URI>./images/externalInterfaces.jpg</URI>
    <Description ism:classification="U" ism:ownerProducer="USA">External Interface Diagram</Description>
</ExternalSystemInterfaceDiagram>
<InternalSystemInterfaceDiagram ism:classification="U" ism:ownerProducer="USA">
    <URI>./images/internalInterfaces.png</URI>
    <Description ism:classification="U" ism:ownerProducer="USA">Internal Interface Diagram</Description>
</InternalSystemInterfaceDiagram>
<NetworkConnectionRules ism:classification="U" ism:ownerProducer="USA">NetworkConnectionRules0</NetworkConnectionRules>
<InformationType ism:classification="U" ism:ownerProducer="USA">Blah Blah Blah</InformationType>
<InformationFlowDiagram ism:classification="U" ism:ownerProducer="USA">
    <URI>./images/flow.png</URI>
    <Description ism:classification="U" ism:ownerProducer="USA">Information Flow Diagram</Description>
</InformationFlowDiagram>
<MissionCriticality ism:classification="U" ism:ownerProducer="USA" boe:response="false"/>
<SystemOwnership ism:classification="U" ism:ownerProducer="USA">GOVERNMENTOWNEDGOVERNMENTOPERATED</SystemOwnership>
<PhysicalEnvironment ism:classification="U" ism:ownerProducer="USA">PhysicalEnvironmet0</PhysicalEnvironment>
<KeyRoles ism:classification="U" ism:ownerProducer="USA">
    <DelegatedAuthorizingOfficial ism:classification="U" ism:ownerProducer="USA">
        <Name>Gabriel Lorca</Name>
        <Title>Captain</Title>
        <Organization>Starfleet</Organization>
        <Phone>444-444-4444</Phone>
    </DelegatedAuthorizingOfficial>
    <Other ism:classification="U" ism:ownerProducer="USA">
        <Name>Michael Burnham</Name>
```

```
<Organization>Starfleet</Organization>
<Email>michael.burnham@disco.sf.mil</Email>
<Role>Observer</Role>
</Other>
</KeyRoles>
<SystemLifecyclePhase ism:classification="U"
    ism:ownerProducer="USA"
    boe:response="3-B-EMD"/>
<SystemUserCategories ism:classification="U" ism:ownerProducer="USA">
  <SystemUserCategory ism:classification="U"
    ism:ownerProducer="USA"
    boe:userCategory="FEDERALSTATELOCAL">
    <AccessDescription ism:classification="U" ism:ownerProducer="USA">General user access except for system administrators</AccessDescription>
    <UserConstraints>
      <Constraint ism:classification="U" ism:ownerProducer="USA">User must have a TS clearance.</Constraint>
      <Constraint ism:classification="U" ism:ownerProducer="USA">User must be read into SI</Constraint>
      <Constraint ism:classification="U" ism:ownerProducer="USA">User must be read into TK</Constraint>
    </UserConstraints>
  </SystemUserCategory>
  <SystemUserCategory ism:classification="U"
    ism:ownerProducer="USA"
    boe:userCategory="CONTRACTORS">
    <AccessDescription ism:classification="U" ism:ownerProducer="USA">General user access except for system administrators</AccessDescription>
    <UserConstraints>
      <Constraint ism:classification="U" ism:ownerProducer="USA">User must have a TS clearance.</Constraint>
      <Constraint ism:classification="U" ism:ownerProducer="USA">User must be read into SI</Constraint>
      <Constraint ism:classification="U" ism:ownerProducer="USA">User must be read into TK</Constraint>
    </UserConstraints>
  </SystemUserCategory>
  <SystemUserCategory ism:classification="U"
    ism:ownerProducer="USA"
    boe:userCategory="GENERALPUBLIC">
    <AccessDescription ism:classification="U" ism:ownerProducer="USA">No Access</AccessDescription>
  </SystemUserCategory>
</SystemUserCategories>
<SecurityReviewDate ism:classification="U" ism:ownerProducer="USA">2017-12-07</SecurityReviewDate>
<SystemFunctionDescription ism:classification="U" ism:ownerProducer="USA">Blah blah blah</SystemFunctionDescription>
<SecurityControlList ism:classification="U" ism:ownerProducer="USA">
  <SecurityControl boe:number="AC-1"
    boe:name="Access Control Policy and Procedures"
    boe:status="IMPLEMENTED">
    <ImplementationDescription ism:classification="U" ism:ownerProducer="USA">Access control policy and procedures are documented in lorem
      ipsum.</ImplementationDescription>
  </SecurityControl>
  <SecurityControl boe:number="AC-2"
    boe:name="Account Management"
    boe:status="IMPLEMENTED">
    <ImplementationDescription ism:classification="U" ism:ownerProducer="USA">Active Directory</ImplementationDescription>
  </SecurityControl>
  <SecurityControl boe:number="AC-20"
    boe:name="Use of External Information Systems"
    boe:status="NOTAPPLICABLE">
    <Rationale ism:classification="U" ism:ownerProducer="USA">The system will be a standalone system and not be connected to external information
      systems.</Rationale>
```

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</SecurityControl>
<SecurityControl boe:number="AC-1"
    boe:name="Audit and Accountability Policy and Procedures"
    boe:status="PLANNED">
    <ImplementationDescription ism:classification="U" ism:ownerProducer="USA">Current policy in draft, but expected to be signed before system enters
    production.</ImplementationDescription>
</SecurityControl>
</SecurityControlList>
<Overlays ism:classification="U" ism:ownerProducer="USA">
    <Overlay>Intel</Overlay>
</Overlays>
</SSP>
<SAR>
    <AssessmentDate ism:classification="U" ism:ownerProducer="USA">2017-10-26</AssessmentDate>
    <ScaExecutiveSummary ism:classification="U" ism:ownerProducer="USA">Executive summary from the detailed findings that are generated during a security control
    assessment. An executive summary provides an AO with an abbreviated version of the assessment report focusing on
    the highlights of the assessment, synopsis of key findings, and/or recommendations for addressing weaknesses and
    deficiencies in the security controls.</ScaExecutiveSummary>
    <AssessmentEnvironment ism:classification="U" ism:ownerProducer="USA">Description of the environment where the most recent testing took place, including
    information on the site location and security system. Identify any supporting equipment (i.e. emulators,
    sniffers, analyzers, traffic generators, satellite simulators) that were used to support the assessment event,
    and list any external interfaces active during the test even. Explain any constraints imposed by the environment
    on the assessment event which impacted on the quality or quantity of testing able to be performed. Identify all
    personnel present for the assessment, their organizations, and their role in the assessment event. Resource:
    test results report.</AssessmentEnvironment>
    <AssessmentMethodology ism:classification="U" ism:ownerProducer="USA">Identifies methodology and procedures used to assess controls (e.g, NIST SP 800-53A, DoD
    Joint Security Implementation Guide). If other methodology or procedures were used, provide rationale for
    deviation from standards assessment resources.</AssessmentMethodology>
    <AssessmentObjectiveType ism:classification="U" ism:ownerProducer="USA">Independent verification and validation.</AssessmentObjectiveType>
    <SecurityAssessor ism:classification="U" ism:ownerProducer="USA">
        <Name>Ash Tyler</Name>
        <Title>Lieutenant</Title>
    </SecurityAssessor>
    <ConstraintsAndIssues ism:classification="U" ism:ownerProducer="USA">
        <AssumptionList ism:classification="U" ism:ownerProducer="USA">
            <Assumption>Assumption1</Assumption>
            <Assumption>Assumption2</Assumption>
        </AssumptionList>
        <ConstraintList>
            <Constraint ism:classification="U" ism:ownerProducer="USA">Constraint1</Constraint>
            <Constraint ism:classification="U" ism:ownerProducer="USA">Constraint2</Constraint>
        </ConstraintList>
        <IssueList ism:classification="U" ism:ownerProducer="USA">
            <Issue>Issue1</Issue>
            <Issue>Issue2</Issue>
        </IssueList>
    </ConstraintsAndIssues>
    <ComponentsAssessed>
        <ComponentIdentifier ism:classification="U" ism:ownerProducer="USA">Comp1</ComponentIdentifier>
        <ComponentIdentifier ism:classification="U" ism:ownerProducer="USA">Comp2</ComponentIdentifier>
    </ComponentsAssessed>
    <SecurityControlTraceabilityList ism:classification="U" ism:ownerProducer="USA">
        <SecurityControlTrace boe:controlNumber="AC-1" boe:requirementId="1.2.3.4"/>
        <SecurityControlTrace boe:controlNumber="AC-2" boe:requirementId="1.2.3.5"/>
    </SecurityControlTraceabilityList>
</SAR>
```



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</SecurityControlTraceabilityList>
<TestResults ism:classification="U" ism:ownerProducer="USA">
  <Test ism:classification="U"
    ism:ownerProducer="USA"
    boe:testId="1A"
    boe:date="2017-10-20"
    boe:resource="system0"
    boe:controlNumber="AC-1">Passed</Test>
  <Test ism:classification="U"
    ism:ownerProducer="USA"
    boe:testId="1B"
    boe:date="2017-10-20"
    boe:resource="system0"
    boe:controlNumber="AC-2">Failed</Test>
</TestResults>
</SAR>
<RAR>
  <AssessmentDate ism:classification="U" ism:ownerProducer="USA">2017-10-26</AssessmentDate>
  <RiskAssessmentPOC ism:classification="U" ism:ownerProducer="USA">
    <Name>Saru</Name>
    <Email>saru2@disco.sf.mil</Email>
  </RiskAssessmentPOC>
  <PurposeForRiskAssessment ism:classification="U" ism:ownerProducer="USA">Describe the purpose of the risk assessment. The purpose may be to determine risk at
    various system life cycle phases, to include the security categorization, to tailor security controls, to
    assess the risk of non-compliant security controls, to assess the impact of actual or proposed changes to the
    system in operations, etc.</PurposeForRiskAssessment>
  <RiskAssessmentScope ism:classification="U" ism:ownerProducer="USA">The scope of the risk assessment can be at any of the three tiers in the risk management
    hierarchy (i.e., organization, mission/business process, or system), or the scope can be limited to certain
    portions of the system. Identify scope of assessment including boundaries and intended mission(s) the system is
    designed to support</RiskAssessmentScope>
  <RiskAssessmentSummary ism:classification="U" ism:ownerProducer="USA">Executive summary from the detailed findings generated during risk assessment. An
    executive summary provides an AO with an abbreviated version of the risk assessment report focusing on the
    highlights of the assessment, purpose, synopsis of key findings, and/or recommendations for addressing
    risk.</RiskAssessmentSummary>
  <OrganizationalRiskTolerance ism:classification="U" ism:ownerProducer="USA">Risk Tolerance (including a list of the range of consequences to be considered)
    -The level of risk an entity is willing to assume in order to achieve a potential desired result; Identify
    any organization risk tolerance levels set at Tier 1, Tier 2, and Tier 3</OrganizationalRiskTolerance>
  <OverallRiskPosture boe:response="MODERATE"
    ism:classification="U"
    ism:ownerProducer="USA"/>
  <OverallRiskRatings ism:classification="U" ism:ownerProducer="USA">
    <VeryLow>15</VeryLow>
    <Low>5</Low>
    <Moderate>3</Moderate>
    <High>1</High>
    <VeryHigh>2</VeryHigh>
  </OverallRiskRatings>
  <RiskAnalysisApproach boe:response="THREAT"
    ism:classification="U"
    ism:ownerProducer="USA"/>
  <RiskAssessmentApproach boe:response="SEMI-QUALITATIVE"
    ism:classification="U"
    ism:ownerProducer="USA"/>
  <ThreatEvents ism:classification="U" ism:ownerProducer="USA">
```

```
<ThreatEvent ism:classification="U" ism:ownerProducer="USA">
  <Event ism:classification="U" ism:ownerProducer="USA">The threat event by name.</Event>
  <LevelOfImpact boe:response="HIGH" ism:classification="U" ism:ownerProducer="USA"/>
  <LikelihoodOfOccurance boe:response="LOW" ism:classification="U" ism:ownerProducer="USA"/>
  <LikelihoodOfSuccess boe:response="VERY_LOW"
    ism:classification="U"
    ism:ownerProducer="USA"/>
  <OverallLikelihood boe:response="LOW" ism:classification="U" ism:ownerProducer="USA"/>
  <ResidualRiskLevel boe:response="LOW" ism:classification="U" ism:ownerProducer="USA"/>
  <Vulnerabilities>
    <Vulnerability ism:classification="U" ism:ownerProducer="USA">Vulnerability1</Vulnerability>
    <Vulnerability ism:classification="U" ism:ownerProducer="USA">Vulnerability2</Vulnerability>
  </Vulnerabilities>
  <ThreatSources>
    <ThreatSource ism:classification="U" ism:ownerProducer="USA">
      <Source ism:classification="U" ism:ownerProducer="USA">Source1</Source>
    </ThreatSource>
  </ThreatSources>
</ThreatEvent>
<ThreatEvent ism:classification="U" ism:ownerProducer="USA">
  <Event ism:classification="U" ism:ownerProducer="USA">The threat event by description.</Event>
  <LevelOfImpact boe:response="LOW" ism:classification="U" ism:ownerProducer="USA"/>
  <LikelihoodOfOccurance boe:response="LOW" ism:classification="U" ism:ownerProducer="USA"/>
  <LikelihoodOfSuccess boe:response="VERY_LOW"
    ism:classification="U"
    ism:ownerProducer="USA"/>
  <OverallLikelihood boe:response="LOW" ism:classification="U" ism:ownerProducer="USA"/>
  <ResidualRiskLevel boe:response="VERY_LOW"
    ism:classification="U"
    ism:ownerProducer="USA"/>
  <Vulnerabilities>
    <Vulnerability ism:classification="U" ism:ownerProducer="USA">Vulnerability3</Vulnerability>
  </Vulnerabilities>
  <ThreatSources>
    <ThreatSource ism:classification="U" ism:ownerProducer="USA">
      <Source ism:classification="U" ism:ownerProducer="USA">Source2</Source>
    </ThreatSource>
  </ThreatSources>
</ThreatEvent>
<ThreatEvent ism:classification="U" ism:ownerProducer="USA">
  <Event ism:classification="U" ism:ownerProducer="USA">The threat event by reference.</Event>
  <LevelOfImpact boe:response="VERY_LOW"
    ism:classification="U"
    ism:ownerProducer="USA"/>
  <LikelihoodOfOccurance boe:response="HIGH" ism:classification="U" ism:ownerProducer="USA"/>
  <LikelihoodOfSuccess boe:response="VERY_HIGH"
    ism:classification="U"
    ism:ownerProducer="USA"/>
  <OverallLikelihood boe:response="MODERATE"
    ism:classification="U"
    ism:ownerProducer="USA"/>
  <ResidualRiskLevel boe:response="LOW" ism:classification="U" ism:ownerProducer="USA"/>
  <Vulnerabilities>
    <Vulnerability ism:classification="U" ism:ownerProducer="USA">Vulnerability4</Vulnerability>
```

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    </Vulnerabilities>
    <ThreatSources>
      <ThreatSource ism:classification="U" ism:ownerProducer="USA">
        <Source ism:classification="U" ism:ownerProducer="USA">Source1</Source>
      </ThreatSource>
    </ThreatSources>
  </ThreatEvent>
</ThreatEvents>
</RAR>
<POAM>
  <AssessmentDate ism:classification="U" ism:ownerProducer="USA">2017-09-26</AssessmentDate>
  <Deficiency ism:classification="U" ism:ownerProducer="USA">
    <Name ism:classification="U" ism:ownerProducer="USA">My Deficiency</Name>
    <Description ism:classification="U" ism:ownerProducer="USA">Bad things.</Description>
  </Deficiency>
  <CompletionStatus boe:response="ONGOING"
    ism:classification="U"
    ism:ownerProducer="USA"/>
  <ScheduledCompletionDate ism:classification="U" ism:ownerProducer="USA">2017-10-25</ScheduledCompletionDate>
  <CompletionDate ism:classification="U" ism:ownerProducer="USA">2017-10-27</CompletionDate>
  <PointOfContact ism:classification="U" ism:ownerProducer="USA">
    <Name>Paul Stamets</Name>
    <Email>paul.stamets@disco.sf.mil</Email>
  </PointOfContact>
  <ApplicableSecurityControl ism:classification="U" ism:ownerProducer="USA">AC-1</ApplicableSecurityControl>
  <IdentifyingEvent ism:classification="U" ism:ownerProducer="USA">
    <Event ism:classification="U" ism:ownerProducer="USA">Power outage</Event>
    <ReviewingOrganization ism:classification="U" ism:ownerProducer="USA">MIA/IAD</ReviewingOrganization>
  </IdentifyingEvent>
  <Comments ism:classification="U" ism:ownerProducer="USA">Additional detail, clarifications, or other commentary.</Comments>
</POAM>
<ADD>
  <AuthorizationDecision boe:response="ATO" ism:classification="U" ism:ownerProducer="USA"/>
  <AuthorizingOfficial ism:classification="U" ism:ownerProducer="USA">
    <Name>Gabriel Lorca</Name>
    <Title>Captain</Title>
  </AuthorizingOfficial>
  <AuthorizationDecisionDate ism:classification="U" ism:ownerProducer="USA">2017-10-31</AuthorizationDecisionDate>
  <AuthorizationDecisionTerminationDate ism:classification="U" ism:ownerProducer="USA">2020-10-31</AuthorizationDecisionTerminationDate>
  <AuthorizationTermsAndConditions ism:classification="U" ism:ownerProducer="USA">Provides a description of any specific limitations or restrictions placed on
    the operation of the system.</AuthorizationTermsAndConditions>
  <RiskExecutiveInput ism:classification="U" ism:ownerProducer="USA">The security related-considerations from the Risk Executive which the AO deems relevant and
    affects the final authorization decision. These considerations are viewed from organization-wide perspective with
    regard to the overall strategic goals and objectives in carrying out the mission and business functions. (e.g.,
    organizational risk tolerance, organization's overall risk mitigation strategy, core mission and business
    requirements, dependencies among systems, ongoing risk monitoring requirements, and other types of risks not
    directly associated with the system or its environment of operation).</RiskExecutiveInput>
  <OverallRiskRatings ism:classification="U" ism:ownerProducer="USA">
    <VeryLow>15</VeryLow>
    <Low>5</Low>
    <Moderate>3</Moderate>
    <High>1</High>
    <VeryHigh>2</VeryHigh>
  </OverallRiskRatings>

```

</ADD>
</BOE>

2.2 - instance1ConvertedToDocbook.xml

```
<d:book version="5.0-variant urn:us:gov:ic:docbook-201804" xml:lang="en">
  <d:info>
    <d:releaseinfo role="usa.nsi.banner">UNCLASSIFIED</d:releaseinfo>
    <d:title>Body of Evidence for SystemName0</d:title>
  </d:info>
  <d:chapter>
    <d:title>(U) System Information</d:title>
    <d:para>
      <d:emphasis role="bold">(U) System Name:</d:emphasis>SystemName0</d:para>
    <d:para>
      <d:emphasis role="bold">(U) System Identifier:</d:emphasis>SystemIdentifier0</d:para>
    <d:para>
      <d:emphasis role="bold">(U) System Version:</d:emphasis>SystemVersion0</d:para>
    <d:para>
      <d:emphasis role="bold">(U) Organization Name:</d:emphasis>OrganizationName0</d:para>
    <d:para>
      <d:emphasis role="bold">(U) Information Technology Type:</d:emphasis>
      <d:itemizedlist>
        <d:listitem>
          <d:para>Type of Service: ENCLAVE</d:para>
        </d:listitem>
        <d:listitem>
          <d:para>Is a Standalone System: True</d:para>
        </d:listitem>
      </d:itemizedlist>
    </d:para>
    <d:para>
      <d:emphasis role="bold">(U) Security Categorization:</d:emphasis>
      <d:itemizedlist>
        <d:listitem>
          <d:para>
            <d:emphasis role="bold">(U) Confidentiality:</d:emphasis>MODERATE</d:para>
          </d:listitem>
        <d:listitem>
          <d:para>
            <d:emphasis role="bold">(U) Integrity:</d:emphasis>MODERATE</d:para>
          </d:listitem>
        <d:listitem>
          <d:para>
            <d:emphasis role="bold">(U) Availability:</d:emphasis>LOW</d:para>
          </d:listitem>
      </d:itemizedlist>
    </d:para>
    <d:para>
      <d:emphasis role="bold">(U) System Short Name:</d:emphasis>SYSTEM</d:para>
    <d:para>
      <d:emphasis role="bold">(U) National Security System:</d:emphasis>True</d:para>
    <d:para>
      <d:emphasis role="bold">(U) Operational Environment:</d:emphasis>TEST</d:para>
    <d:para>
      <d:emphasis role="bold">(U) Data Authorization Level:</d:emphasis>
      <d:itemizedlist>
```

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        <d:listitem>
        <d:para>
            <d:emphasis role="bold">Highest Classification Level:</d:emphasis>UNCLASSIFIED</d:para>
        </d:listitem>
        <d:listitem>
        <d:para>
            <d:emphasis role="bold">Authorized Handling Controls:</d:emphasis>FOUO</d:para>
        </d:listitem>
    </d:itemizedlist>
</d:para>
</d:chapter>
<d:chapter>
    <d:title>(U) System Security Plan</d:title>
    <d:para>
        <d:emphasis role="bold">(U) Authorization Boundary Diagram:</d:emphasis>The following diagram is the Authorization Boundary Diagram and
is UNCLASSIFIED.</d:para>
        <d:mediaobject xml:id="image_AuthorizationBoundaryDiagram">
            <d:imageobject>
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        <d:para>
            <d:emphasis role="bold">(U) Cryptographic Key:</d:emphasis>
            <d:itemizedlist>
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                <d:para>
                    <d:emphasis role="bold">(U) FIPS Validated for Unclassified Information:</d:emphasis>False -- This is a classified system,
unclass validation not necessary.</d:para>
                </d:listitem>
                <d:listitem>
                <d:para>
                    <d:emphasis role="bold">(U) FIPS Validated for Compartmented Information:</d:emphasis>True</d:para>
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                    <d:emphasis role="bold">(U) Uses NSA Approved Cryptography:</d:emphasis>True</d:para>
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    <d:entry>Service Provider</d:entry>
    <d:entry>Meets Organization Security Requirements?</d:entry>
    <d:entry>Description</d:entry>
  </d:row>
</d:thead>
<d:tbody>
  <d:row>
    <d:entry>OAuth</d:entry>
    <d:entry>Google</d:entry>
    <d:entry>True</d:entry>
    <d:entry>(U) blah blah blah</d:entry>
  </d:row>
</d:tbody>
</d:tgroup>
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    <d:listitem>
      <d:para>
        <d:emphasis role="bold">(U) Foo</d:emphasis>
        <d:itemizedlist>
          <d:listitem>
            <d:para>
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  </d:para>
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        <d:itemizedlist>
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```

        <d:emphasis role="bold">Version:</d:emphasis>3.1</d:para>
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Diagram and is UNCLASSIFIED.</d:para>
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            <d:para>
                <d:emphasis role="bold">(U) Physical Environment:</d:emphasis>PhysicalEnvironmet0</d:para>
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<d:para>
  <d:emphasis role="bold">(U) Delegated Authorizing Official</d:emphasis>
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</d:listitem>
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          <d:emphasis role="bold">Name:</d:emphasis>Michael Burnham</d:para>
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          <d:emphasis role="bold">Email:</d:emphasis>michael.burnham@disco.sf.mil</d:para>
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  <d:emphasis role="bold">(U) System User Categories:</d:emphasis>
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        <d:emphasis role="bold">(U) FEDERALSTATELOCAL:</d:emphasis>
        <d:itemizedlist>
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        <d:emphasis role="bold">(U) Access Description:</d:emphasis>General user access except for system administrators</d:para>
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                </d:listitem>
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                    <d:para>(U) User must be read into TK</d:para>
                </d:listitem>
            </d:itemizedlist>
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    </d:listitem>
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        <d:emphasis role="bold">(U) Access Description:</d:emphasis>No Access</d:para>
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<d:para>
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                <d:entry>Control Number</d:entry>
                <d:entry>Control Name</d:entry>
                <d:entry>Control Status</d:entry>
                <d:entry>Implementation Description</d:entry>
            </d:row>
        </d:thead>
        <d:tbody>
            <d:row>
                <d:entry>AC-1</d:entry>
                <d:entry>Access Control Policy and Procedures</d:entry>
                <d:entry>IMPLEMENTED</d:entry>
                <d:entry>
                    <d:para>(U) Access control policy and procedures are documented in lorem ipsum.</d:para>
                </d:entry>
            </d:row>
            <d:row>
                <d:entry>AC-2</d:entry>
                <d:entry>Account Management</d:entry>
                <d:entry>IMPLEMENTED</d:entry>
                <d:entry>
                    <d:para>(U) Active Directory</d:para>
                </d:entry>
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            <d:row>
                <d:entry>AC-20</d:entry>
                <d:entry>Use of External Information Systems</d:entry>
                <d:entry>NOTAPPLICABLE</d:entry>
                <d:entry>
                    <d:para>(U) Rationale: The system will be a standalone system and not be connected to external information systems.</d:para>
                </d:entry>
            </d:row>
        </d:tbody>
    </d:tgroup>
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        <d:entry>AC-1</d:entry>
        <d:entry>Audit and Accountability Policy and Procedures</d:entry>
        <d:entry>PLANNED</d:entry>
        <d:entry>
            <d:para>(U) Current policy in draft, but expected to be signed before system enters production.</d:para>
        </d:entry>
    </d:row>
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</d:tgroup>
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</d:para>
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    <d:para>
        <d:emphasis role="bold">(U) Sca Executive Summary:</d:emphasis>Executive summary from the detailed findings that are generated during a security control assessment. An executive summary provides an AO with an abbreviated version of the assessment report focusing on the highlights of the assessment, synopsis of key findings, and/or recommendations for addressing weaknesses and deficiencies in the security controls.</d:para>
    <d:para>
        <d:emphasis role="bold">(U) Assessment Environment:</d:emphasis>Description of the environment where the most recent testing took place, including information on the site location and security system. Identify any supporting equipment (i.e. emulators, sniffers, analyzers, traffic generators, satellite simulators) that were used to support the assessment event, and list any external interfaces active during the test even. Explain any constraints imposed by the environment on the assessment event which impacted on the quality or quantity of testing able to be performed. Identify all personnel present for the assessment, their organizations, and their role in the assessment event. Resource: test results report.</d:para>
    <d:para>
        <d:emphasis role="bold">(U) Assessment Methodology:</d:emphasis>Identifies methodology and procedures used to assess controls (e.g, NIST SP 800-53A, DoD Joint Security Implementation Guide). If other methodology or procedures were used, provide rationale for deviation from standards assessment resources.</d:para>
    <d:para>
        <d:emphasis role="bold">(U) Assessment Objective Type:</d:emphasis>Independent verification and validation.</d:para>
    <d:para>
        <d:emphasis role="bold">(U) Security Assessor:</d:emphasis>
        <d:itemizedlist>
            <d:listitem>
                <d:para>
                    <d:emphasis role="bold">Name:</d:emphasis>Ash Tyler</d:para>
                </d:listitem>
            <d:listitem>
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    </d:chapter>
</d:chapter>
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              <d:para>
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            </d:itemizedlist>
          </d:listitem>
        </d:para>
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              <d:emphasis role="bold">Issue:</d:emphasis>Issue2</d:para>
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      <d:para>
        <d:emphasis role="bold">(U) Component Identifier:</d:emphasis>Comp2</d:para>
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          <d:entry>Control Number</d:entry>
          <d:entry>Requirement ID</d:entry>
        </d:row>
      </d:thead>
      <d:tbody>
        <d:row>
          <d:entry>AC-1</d:entry>
          <d:entry>1.2.3.4</d:entry>
        </d:row>
        <d:row>
          <d:entry>AC-2</d:entry>
          <d:entry>1.2.3.5</d:entry>
        </d:row>
      </d:tbody>
    </d:tgroup>
  </d:table>
  <d:para>
    <d:emphasis role="bold">(U) Test Results:</d:emphasis>The following table is UNCLASSIFIED.</d:para>
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          <d:entry>Test Date</d:entry>
          <d:entry>Resource Tested</d:entry>
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          <d:entry>Test Result</d:entry>
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      </d:thead>
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  <d:entry>Passed</d:entry>
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  <d:entry>1B</d:entry>
  <d:entry>2017-10-20</d:entry>
  <d:entry>system0</d:entry>
  <d:entry>AC-2</d:entry>
  <d:entry>Failed</d:entry>
</d:row>
</d:tbody>
</d:tgroup>
</d:table>
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  <d:title>(U) Risk Assessment Report</d:title>
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  <d:para>
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          <d:emphasis role="bold">Name:</d:emphasis>Saru</d:para>
        </d:listitem>
        <d:listitem>
          <d:para>
            <d:emphasis role="bold">Email:</d:emphasis>saru2@disco.sf.mil</d:para>
          </d:listitem>
        </d:itemizedlist>
      </d:para>
    <d:para>
      <d:emphasis role="bold">(U) Purpose For Risk Assessment:</d:emphasis>Describe the purpose of the risk assessment. The purpose may be to
determine risk at various system life cycle phases, to include the security categorization, to tailor security controls, to assess the
risk of non-compliant security controls, to assess the impact of actual or proposed changes to the system in operations, etc.</d:para>
    <d:para>
      <d:emphasis role="bold">(U) Risk Assessment Scope:</d:emphasis>The scope of the risk assessment can be at any of the three tiers in the
risk management hierarchy (i.e., organization, mission/business process, or system), or the scope can be limited to certain portions of
the system. Identify scope of assessment including boundaries and intended mission(s) the system is designed to support</d:para>
    <d:para>
      <d:emphasis role="bold">(U) Risk Assessment Summary:</d:emphasis>Executive summary from the detailed findings generated during risk
assessment. An executive summary provides an AO with an abbreviated version of the risk assessment report focusing on the highlights of
the assessment, purpose, synopsis of key findings, and/or recommendations for addressing risk.</d:para>
    <d:para>
      <d:emphasis role="bold">(U) Organizational Risk Tolerance:</d:emphasis>Risk Tolerance (including a list of the range of consequences to
be considered) -The level of risk an entity is willing to assume in order to achieve a potential desired result; Identify any
organization risk tolerance levels set at Tier 1, Tier 2, and Tier 3</d:para>
    <d:para>
      <d:emphasis role="bold">(U) Overall Risk Posture:</d:emphasis>MODERATE</d:para>
    <d:para>
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      <d:para>
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deems relevant and affects the final authorization decision. These considerations are viewed from organization-wide perspective with
regard to the overall strategic goals and objectives in carrying out the mission and business functions. (e.g., organizational risk
tolerance, organization's overall risk mitigation strategy, core mission and business requirements, dependencies among systems, ongoing
risk monitoring requirements, and other types of risks not directly associated with the system or its environment of
operation).</d:para>
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