Mapping Between Protection Profile for General Purpose Operating Systems, Version 4.1, 09-March-2016 and NIST SP 800-53 Revision 4

Introduction

This section outlines the NIST SP 800-53/CNSS 1253 controls that may be addressed by compliant TOEs and can be used by certification personnel to determine what, if any, additional testing is required when the TOE is incorporated into its operational configuration.

Important Caveats

- **Product vs. System.** The Common Criteria is designed for the evaluation of products; the Risk Management Framework (NIST SP 800-37 Revision 1, DOD 8510.01) and associated control/control interpretations (NIST SP 800-53 Revision 4, CNSSI № 1253) are used for the assessment and authorization of mission systems. **Products cannot satisfy controls outside of the system context.** Products may support a system satisfying particular controls, but typically satisfaction also requires the implementation of operational procedures; further, given that systems are typically the product of integration of multiple products configured to meet mission requirements, an overall system assessment is required to determine if the control is satisfied in the overall system context.
- **SA-**4(7). Perhaps it is needless to say, but satisfaction of any NIAP PP supports system satisfaction of SA-4(7), which is the implementation of CNSSP № 11.

| Common Criteria Version 3.x SFR | | NIST SP 800-53 Revision 4 Control | | Comments and Observations |
|---------------------------------|--|--------------------------------------|--|---|
| FCS_CKM.1(1) | Cryptographic Key Management: Cryptographic Key Generation | SC-12(3) | Cryptographic Key Establishment and Management: Asymmetric Keys | A conformant TOE has the ability to generate asymmetric cryptographic keys that use NSA-approved and FIPS-validated cryptographic algorithms. This control satisfies this SFR with respect to key generation. |

| FCS_CKM.2(1) | Cryptographic Key Management: Cryptographic Key Establishment | SC-12(3) | Cryptographic Key Establishment and Management: Asymmetric Keys | A conformant TOE has the ability to perform key establishment for asymmetric cryptographic keys that use NSA-approved and FIPS-validated cryptographic algorithms. This control satisfies this SFR with respect to key generation. |
|---------------|--|----------|--|--|
| FCS_CKM_EXT.3 | Cryptographic Key Management: Cryptographic Key Destruction | SC-12(2) | Cryptographic Key Establishment and Management: Symmetric Keys | A conformant TOE has the ability to perform key destruction in accordance with a defined specification. |
| FCS_COP.1(1) | Cryptographic Key Operation: Encryption/Decry ption | SC-13 | Cryptographic Protection | A conformant TOE has the ability to perform symmetric encryption and decryption using NSA-approved and FIPS-validated algorithms. |
| FCS_COP.1(2) | Cryptographic Key Operation: Hashing | SC-13 | Cryptographic Protection | A conformant TOE has the ability to perform cryptographic hashing using NSA-approved and FIPS-validated algorithms. |
| FCS_COP.1(3) | Cryptographic Key Operation: Signing | SC-13 | Cryptographic Protection | A conformant TOE has the ability to perform cryptographic signing using NSA-approved and FIPS-validated algorithms. |
| FCS_COP.1(4) | Cryptographic Key Operation: Keyed-Hash Message Authentication | SC-13 | Cryptographic Protection | A conformant TOE has the ability to perform keyed-hash message authentication using NSA-approved and FIPS-validated algorithms. |
| FCS_RBG_EXT.1 | Random Bit Generation | SC-12 | Cryptographic Key Establishment and Management | A conformant TOE's use of an appropriate DRBG ensures that generated keys provide an appropriate level of security. |

| | | SC-13 | Cryptographic Protection | A conformant TOE has the ability to generate random bits for use in cryptographic services using FIPS and NSA- |
|----------------|--|----------|--|---|
| FCS_STO_EXT.1 | Storage of Sensitive Data | IA-5(1) | Authenticator Management: Password-Based Authentication | approved standards. Cryptographic security of password data allows for proper enforcement of password-based authentication. |
| | | IA-5(2) | Authenticator Management: PKI-Based Authentication | Cryptographic security of PKI data allows for proper enforcement of public key-based authentication. |
| | | SC-13 | Cryptographic Protection | The ability of a conformant TOE to encrypt data stored in non-volatile memory ensures the integrity and authenticity of this data. |
| | | SC-28(1) | Protection of Information at Rest: Cryptographic Protection | A conformant TOE has the ability to implement cryptographic mechanisms to prevent unauthorized disclosure and modification of data. |
| FCS_TLSC_EXT.1 | Transport Layer Security Client Protocol | IA-5(2) | Authenticator Management: PKI-Based Authentication | The TOE requires peers to possess a valid certificate before establishing trusted communications, satisfying this control. |
| | | SC-8(1) | Transmission Integrity: Cryptographic or Alternate Physical Protection | The ability of a conformant TOE to implement TLS 1.2 with a range of mandatory and optional ciphersuites ensures the confidentiality and integrity of data and transit. |
| | | SC-11 | Trusted Path | If TLS is used to establish a trusted path from the remote administrator to the |

| | | | | TSF, a conformant TOE may satisfy this control. |
|---------------|---|---------|--|---|
| | | SC-13 | Cryptographic Protection | A conformant TOE's use of TLS to secure data in transit allows it to conform with NSA standards. |
| FDP_ACF_EXT.1 | User Data Protection Access Controls for Protecting User Data | AC-3(4) | Access Enforcement: Discretionary Access Control | A conformant TOE has the ability to restrict users from accessing resources owned by other users without permission. This control is satisfied because either a DAC or an RBAC privilege model can be used to enforce this. |
| | | AC-3(7) | Access Enforcement: Role-Based Access Control | A conformant TOE has the ability to restrict users from accessing resources owned by other users without permission. control is satisfied ADAC or an RBAC privilege model can be used to enforce this. |
| FDP_IFC_EXT.1 | Information Flow Control | AC-4 | Information Flow Enforcement | A conformant TOE has the ability to establish an IPsec channel with remote VPN endpoint and block traffic that doesn't meet the IPsec security policy. |
| FMT_MOF_EXT.1 | Management of Security Functions Behavior | AC-2(5) | Account Management: Inactivity Logout | If optional functionality for configuration of screen lock and/or remote connection inactivity timeout, a conformant TOE has the ability to enforce inactivity logout mechanisms. |
| | | AC-3(7) | Access Enforcement: Role-Based Access Control | This allows a conformant TOE to distinguish between user and administrator roles in terms of the |

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| | | | level of system access |
| | | | that is available to |
| | | | each. |
| | AC-14 | Permitted Actions | The ability of a |
| | | without | conformant TOE to |
| | | Identification or | configure the |
| | | Authentication | unauthenticated |
| | | | services that are |
| | | | available to it allows |
| | | | for the implementation |
| | | | of an access control |
| | | | policy. |
| | AC-17 | Remote Access | If optional functionality |
| | | | for configuration of a |
| | | | remote management |
| | | | server is selected, a |
| | | | conformant TOE has |
| | | | the ability to implement |
| | | | remote access in |
| | | | accordance with an |
| | | | organizational policy. |
| | AU-4 | Audit Storage | If optional functionality |
| | | Capacity | for configuration of |
| | | | audit storage capacity |
| | | | is selected, a |
| | | | conformant TOE will |
| | | | have the ability to |
| | | | satisfy this control. |
| | AU-4(1) | Audit Storage | If optional functionality |
| | | Capacity: | for configuration of |
| | | Transfer to | remote audit/logging |
| | | Alternate Storage | server is selected, a |
| | | | conformant TOE has |
| | | | the ability to offload |
| | | | audit data to alternate |
| | | | storage. |
| | AU-8(1) | Time Stamps: | If optional functionality |
| | | Synchronization | for configuration of |
| | | with Authoritative | network time server is |
| | | Time Source | selected, a conformant |
| | | | TOE has the ability to |
| | | | satisfy this control. |
| | AU-9(4) | Protection of | This will allow a |
| | | Audit | conformant TOE to |
| | | Information | assign responsibilities |
| | | | for management of the |
| | | | audit data. |
| | AU-12 | Audit Generation | If optional functionality |
| | | | for configuration of |
| | | | audit rules is selected, a |
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| | | | conformant TOE |
| | | | satisfies the control |
| | | | related to the ability to |
| | | | select the events |
| | | | audited by the system. |
| | IA-4 | Identifier | If the optional |
| | | Management | management function |
| | | | for directory server |
| | | | configuration is |
| | | | selected, a conformant |
| | | | TOE has the ability to |
| | | | support identifier |
| | | | management through |
| | | | connection to a |
| | | | centralized directory |
| | | | server. |
| | IA-5 | Authenticator | If optional management |
| | | Management | functions for the |
| | | | composition of |
| | | | user/administrator |
| | | | passwords are selected, |
| | | | a conformant TOE has |
| | | | mechanisms used to |
| | | | ensure strength of |
| | | | secrets for passwords. |
| | SC-7 | Boundary | If optional management |
| | | Protection | functionality for |
| | | | enabling/disabling use |
| | | | of external interfaces is |
| | | | selected, a conformant |
| | | | TOE has the ability to |
| | | | ensure that connectivity |
| | | | to it occurs only |
| | | | |
| | | | through managed and |
| | | | through managed and monitored interfaces. |
| | SC-7(12) | Boundary | through managed and monitored interfaces. If optional management |
| | SC-7(12) | Protection: Host- | through managed and monitored interfaces. If optional management functionality for the |
| | SC-7(12) | | through managed and monitored interfaces. If optional management functionality for the configuration of a host- |
| | SC-7(12) | Protection: Host- | through managed and monitored interfaces. If optional management functionality for the configuration of a host-based firewall is |
| | SC-7(12) | Protection: Host- | through managed and monitored interfaces. If optional management functionality for the configuration of a host-based firewall is selected, a conformant |
| | SC-7(12) | Protection: Host- | through managed and monitored interfaces. If optional management functionality for the configuration of a host-based firewall is selected, a conformant TOE has the ability to |
| | SC-7(12) | Protection: Host- | through managed and monitored interfaces. If optional management functionality for the configuration of a host-based firewall is selected, a conformant TOE has the ability to apply host-based |
| | | Protection: Host-Based Protection | through managed and monitored interfaces. If optional management functionality for the configuration of a host-based firewall is selected, a conformant TOE has the ability to apply host-based protection to itself. |
| | SC-7(12) | Protection: Host-Based Protection Boundary | through managed and monitored interfaces. If optional management functionality for the configuration of a host-based firewall is selected, a conformant TOE has the ability to apply host-based protection to itself. If optional management |
| | | Protection: Host-Based Protection Boundary Protection: | through managed and monitored interfaces. If optional management functionality for the configuration of a host-based firewall is selected, a conformant TOE has the ability to apply host-based protection to itself. If optional management functionality for the |
| | | Protection: Host-Based Protection Boundary Protection: Protects Against | through managed and monitored interfaces. If optional management functionality for the configuration of a host-based firewall is selected, a conformant TOE has the ability to apply host-based protection to itself. If optional management functionality for the ability to enable/disable |
| | | Boundary Protection: Protects Against Unauthorized | through managed and monitored interfaces. If optional management functionality for the configuration of a host-based firewall is selected, a conformant TOE has the ability to apply host-based protection to itself. If optional management functionality for the ability to enable/disable use of USB ports is |
| | | Boundary Protection: Boundary Protection: Protects Against Unauthorized Physical | through managed and monitored interfaces. If optional management functionality for the configuration of a host-based firewall is selected, a conformant TOE has the ability to apply host-based protection to itself. If optional management functionality for the ability to enable/disable use of USB ports is selected, a conformant |
| | | Boundary Protection: Protects Against Unauthorized | through managed and monitored interfaces. If optional management functionality for the configuration of a host-based firewall is selected, a conformant TOE has the ability to apply host-based protection to itself. If optional management functionality for the ability to enable/disable use of USB ports is |

| | | | | to the information |
|----------------|-----------------------|----------|---------------------|----------------------------|
| | | | | |
| | | CI 2(5) | Flore | system. |
| | | SI-2(5) | Flaw | If optional management |
| | | | Remediation: | functionality for |
| | | | Automatic | configuration of |
| | | | Software / | automatic updates is |
| | | | Firmware Updates | selected, a conformant |
| | | | | TOE has the ability to |
| | | | | apply automatic |
| | | | | updates in accordance |
| | | | | with this control. |
| FPT_ACF_EXT.1 | Access Controls | AC-3(7) | Access | The TOE has the ability |
| | | | Enforcement: | to enforce RBAC |
| | | | Role-Based Access | because the SFR is |
| | | | Control | defining functionality |
| | | | | that is unavailable to all |
| | | | | users who belong to a |
| | | | | particular role. |
| | | AC-6 | Least Privilege | A conformant TOE |
| | | | | only gives authorized |
| | | | | access to users that are |
| | | | | required to complete |
| | | | | assigned tasks in |
| | | | | accordance with |
| | | | | organizational |
| | | | | missions. |
| | | AC-6(10) | Least Privilege: | A conformant TOE |
| | | | Prohibit Non- | prohibits unprivileged |
| | | | Privileged Users | users from modifying |
| | | | From Executing | the security settings. |
| | | | Privileged | the security seeings. |
| | | | Functions | |
| FPT_ASLR_EXT.1 | Address Space | SI-16 | Memory | A conformant TOE has |
| | Layout | 51 10 | Protection | the ability to implement |
| | Randomization | | 1100001011 | ASLR to prevent |
| | <u> </u> | | | unauthorized code |
| | | | | execution. |
| FPT_SBOP_EXT.1 | Stack Buffer | SI-16 | Memory | A conformant TOE has |
| | Overflow | | Protection | the ability to prevent |
| | Protection | | | unauthorized code |
| | 11000000 | | | execution |
| FPT TST EXT.1 | Boot Integrity | SI-7(1) | Software, | The TOE has the ability |
| | <u> </u> | | Firmware and | to verify the integrity of |
| | | | Information | the boot chain prior to |
| | | | Integrity: | execution. |
| | | | Integrity Checks | |
| | | SI-7(6) | Software, | A conformant TOE has |
| | | | Firmware and | the ability to implement |
| | | | Information | cryptographic |
| | | | Integrity: | mechanisms to detect |
| | l . | | integrity. | meenumsms to detect |

| | | | Cryptographically- | unauthorized change. |
|---------------|----------------------|---------|-----------------------------|---|
| | | | validated integrity | |
| | | SI-7(9) | Software, | A conformant TOE has |
| | | | Firmware and | the ability to verify the |
| | | | Information | integrity of the boot |
| | | | Integrity: | process. |
| | | | Integrity of system | |
| | | | boot | |
| FPT_TUD_EXT.1 | <u>Integrity for</u> | CM-5(3) | Access | A conformant TOE has |
| | Installation and | | Restrictions For | the ability to require a |
| | <u>Update</u> | | Change: Signed | signed update. |
| | | CI 7(1) | Components | The TOP 1 (11.11) |
| | | SI-7(1) | Software, Firmware and | The TOE has the ability |
| | | | Information | to verify the integrity of updates to itself. |
| | | | Integrity: | updates to itself. |
| | | | Integrity. Integrity Checks | |
| FPT TUD EXT.2 | Trusted Update | CM-5(3) | Access | A conformant TOE has |
| 111_105_211.2 | for Application | | Restrictions For | the ability to require |
| | Software | | Change: Signed | that third-party |
| | | | Components | applications running on |
| | | | • | it use signed updates. |
| FAU_GEN.1 | Audit Data | AC-7 | Unsuccessful | The TOE will conform |
| | Generation | | Logon Attempts | to this control to the |
| | | | | extent that it records all |
| | | | | unsuccessful logon |
| | | | | attempts. |
| | | AU-2 | Auditable Events | A conformant TOE has |
| | | | | the ability to generate |
| | | | | audit records for |
| | | AILO | 4 1'4 D 1 | various events. |
| | | AU-3 | Audit Record | A conformant TOE will |
| | | | Contents | ensure that audit records include date, |
| | | | | type, outcome, and |
| | | | | subject identity data. |
| | | AU-12 | Audit Generation | The TOE has the ability |
| | | 110 12 | Addit Generation | to generate audit logs, |
| | | | | as well as control |
| | | | | which events are |
| | | | | logged, satisfying this |
| | | | | control. |
| FIA_AFL.1 | Authentication | AC-7 | Unsuccessful | The TOE has the ability |
| _ | Failure Handling | | Logon Attempts | to detect when a |
| | | | | defined number of |
| | | | | unsuccessful |
| | | | | authentication attempts |
| | | | | occur and take some |
| | | | | corrective action. |
| FIA_UAU.5 | <u>Multiple</u> | IA-2 | Identification and | A conformant TOE can |

| | Authentication Mechanisms | | Authentication | implement one or more methods of authentication for users and administrators. |
|----------------|-------------------------------------|----------|--|--|
| | | IA-2(12) | Identification and Authentication: Acceptance of PIV Credentials | A conformant TOE may support authentication using a PIN that unlocks an asymmetric key. This may potentially be derived from a PIV credential. |
| | | IA-5(1) | Authenticator Management: Password-Based Authentication | A conformant TOE may support password- based authentication, in which case this control would be satisfied. |
| | | IA-5(2) | Authenticator Management: PKI-Based Authentication | A conformant TOE may support PKI-based authentication, in which case this control would be satisfied. |
| FIA_X509_EXT.1 | X.509 Certificate Validation | IA-5(2) | Authenticator Management: PKI-Based Authentication | A conformant TOE has the ability to certificate path and status, which satisfies this control. |
| | | SC-23(5) | Session Authenticity: Allowed Certificate Authorities | A conformant TOE specifies what CA's are allowed. |
| FIA_X509_EXT.2 | X.509 Certificate Authentication | IA-2 | Identification and Authentication | A conformant TOE has the ability to identify and authenticate organizational users using X.509 certificates. |
| | | IA-3 | Device Identification and Authentication | A conformant TOE as the ability to identify and authenticate itself to trusted remote entities using mutual authentication. |
| FTP_ITC_EXT.1 | Trusted Channel Communication | IA-3(1) | Device Identification and Authentication: Cryptographic Bidirectional Authentication | The use of the cryptographic protocols specified in the SFR implies that the TOE can perform mutual authentication with trusted remote entities. |

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|-----------|-------------------------|---------|--------------------|----------------------------|
| | | SC-8(1) | Transmission | The use of the |
| | | | Confidentiality | protocols specified in |
| | | | and Integrity: | the SFR ensures the |
| | | | Cryptographic or | confidentiality and |
| | | | Alternate Physical | integrity of information |
| | | | Protection | transmitted between the |
| | | | | TOE and another |
| | | | | trusted IT product. |
| FTP_TRP.1 | Trusted Path | SC-8(1) | Transmission | A conformant TOE will |
| | | | Confidentiality | have the ability to |
| | | | and Integrity: | prevent unauthorized |
| | | | Cryptographic For | disclosure of |
| | | | Alternate Physical | information and also |
| | | | Protection | detect modification to |
| | | | | that information. |
| | | SC-11 | Trusted Path | The TOE establishes a |
| | | | | trusted communication |
| | | | | path between remote |
| | | | | users and itself. |
| ADV_FSP.1 | Basic Functional | SA-4(1) | Acquisition | A conformant TOE will |
| | Specification | | Process: | provide a functional |
| | | | Functional | specification as part of |
| | | | Properties of | the Security Target |
| | | | Security Controls | which describes the |
| | | | | security functionality of |
| | | | | each external interface. |
| AGD_OPE.1 | Operational User | SA-5 | Information | The TOE includes |
| | Guidance | | System | guidance |
| | | | Documentation | documentation that is |
| | | | | reviewed as part of the |
| | | | | evaluation includes |
| | | | | operational |
| | | | | instructions. |
| AGD_PRE.1 | Preparative | SA-5 | Information | The TOE includes |
| | Procedures | | System | guidance |
| | | | Documentation | documentation that is |
| | | | | reviewed as part of this |
| | | | | evaluation defines |
| | | | | installation and |
| | | | | preparation procedures. |
| ALC_CMC.1 | <u>Life-Cycle</u> | CM-9 | Configuration | The evaluation of a |
| | Support | | Management | conformant a TOE will |
| | | | Plan | demonstrate that it |
| | | | | provides a unique |
| | | | | identification for itself, |
| | | | | which can be used as |
| | | | | an input to a |
| | | | | comprehensive CM |
| | | | | Plan. |

| | | SA-10 | Developer Configuration Management | The evaluation of a conformant a TOE will demonstrate that it provides a unique identification for itself, which can be used as an input to a developer configuration management system. |
|---------------|-----------------------------|---------|---|--|
| ALC_CMS.1 | TOE CM Coverage | CM-9 | Configuration Management Plan | The evaluation of a conformant a TOE will demonstrate that it provides a configuration list for its own components, which can be used as an input to a comprehensive CM Plan. |
| | | SA-10 | Development Configuration Management | The evaluation of a conformant a TOE will demonstrate that it provides a configuration lst for its own components, which can be used as an input to a developer configuration management system. |
| ALC_TSU_EXT.1 | Timely Security Updates | MA-6(1) | Timely Maintenance: Preventive Maintenance | A conformant TOE includes a description of how timely security updates must be applied for the purpose of preventative maintenance. |
| ATE_IND.1 | Independent Testing | CA-2(1) | Security Assessments Security Assessments: Independent Assessors | A conformant TOE will have a security assessment performed against it. A conformant TOE will be evaluated by an independent assessor as part of the evaluation process. |
| AVA_VAN.1 | Vulnerability Assessment | CA-2(2) | Security Assessments: Specialized Assessments | A conformant TOE will have a vulnerability scan performed against it as a specialized assessment method. |

| | | CA-8 | Penetration | Penetration testing is |
|-------------------------------------|-----------------------|----------|-----------------------------|--------------------------|
| | | | Testing | performed on a |
| | | | Touris | conformant TOE to |
| | | | | determine that it is |
| | | | | resistant to attacks. |
| | | | | |
| | | DA 2 | D' I A | satisfying this control. |
| | | RA-3 | Risk Assessment | As part of the |
| | | | | evaluation, a |
| | | | | conformant TOE will |
| | | | | be tested for its |
| | | | | resistance against |
| | | | | vulnerabilities that |
| | | | | meet a given risk level |
| | | | | as determined by the |
| | | | | PP authors. |
| | | SA-11(2) | Developer | The Protection Profile |
| | | | Security Testing | defines threats for a |
| | | | and Evaluation: | given technology type |
| | | | Threat And | that a conformant TOE |
| | | | Vulnerability | is expected to mitigate. |
| | | | Analyses | However, the TOE |
| | | | , | developer may not |
| | | | | conduct this assessment |
| | | | | prior to independent |
| | | | | evaluators. |
| | | SA-11(5) | Developer | The Protection Profile |
| | | | Security Testing | mandates that a |
| | | | and Evaluation: | conformant TOE be |
| | | | Penetration | subjected to relevant |
| | | | Testing/ Analysis | penetration testing. |
| | | | 1 csting/1 marysis | However, the TOE |
| | | | | developer may not |
| | | | | conduct this assessment |
| | | | | prior to independent |
| | | | | evaluators. |
| Ontional Descriptor | | 1 | | evaluators. |
| Optional Requirement FCS_TLSC_EXT.4 | | IA 2(1) | Device | The use of mutual |
| TCS_ILSC_EA1.4 | TLS Client | IA-3(1) | Identification and | X.509 certificate |
| | <u>Protocol</u> | | | authentication allows a |
| | | | Authentication: | conformant TOE to |
| | | | Cryptographic Bidirectional | |
| | | | | perform cryptographic |
| | | | Authentication | bidirectional |
| ETLA TLAD 1 | D.C. L.EOE | A.C. C | C 4 T | authentication. |
| FTA_TAB.1 | Default TOE | AC-8 | System Use | The TOE displays an |
| | Access Banners | | Notification | advisory warning to the |
| | | | | user prior to |
| | • | | | authentication. |
| Selection-based Requ | | | | m, mor |
| FCS_DTLS_EXT.1 | DTLS | IA-5(2) | Authenticator | The TOE requires peers |
| | Implementation | | Management: | to possess a valid |
| | | | | |

| | | SC-8(1) | PKI-Based Authentication Transmission Integrity: Cryptographic or Alternate Physical Protection | certificate before establishing trusted communications, satisfying this control. The ability of a conformant TOE to implement DTLS with a range of mandatory and optional ciphersuites ensures the confidentiality and integrity of data and transit. | | | |
|------------------------|--------------------------------|---------|--|--|--|--|--|
| | | SC-11 | Trusted Path | If DTLS is used to establish a trusted path from the remote administrator to the TSF, a conformant TOE may satisfy this control. | | | |
| | | SC-13 | Cryptographic Protection | A conformant TOE's use of DTLS to secure data in transit allows it to conform with NSA standards. | | | |
| FCS_TLSC_EXT.2 | TLS Client Protocol | SC-12 | Cryptographic Key Establishment and Management | A conformant TOE has the ability to limit the elliptic curves that can be used for key establishment. | | | |
| Objective Requirements | | | | | | | |
| FCS_TLSC_EXT.3 | TLS Client Protocol | SC-12 | Cryptographic Key Establishment and Management | A conformant TOE has the ability to ensure the TLS connection is negotiated within a more restrictive set of acceptable parameters. | | | |
| FPT_SRP_EXT.1 | Software Restriction Policies | CM-5(7) | Access Restrictions for Change: Limit Library Privileges | To the extent that a conformant TOE has the ability to implement a whitelisting policy defined by the organization, this SFR satisfies this control. | | | |
| FPT_W^X_EXT.1 | Write XOR Execute Memory Pages | SI-16 | Memory Protection | Implementation of this SFR is a method by which a conformant TOE will protect memory from unauthorized code | | | |

| | | execution. |
|--|--|------------|
| | | |