

National Information Assurance Partnership  
Common Criteria Evaluation and Validation Scheme



Validation Report for

Apple iOS 17: iPhone

Report Number:

CCEVS-VR-VID11446-2025

Dated:

June 3, 2025

Version:

1.0

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# 1 Executive Summary

This Validation Report (VR) documents the National Information Assurance Partnership (NIAP) assessment of the evaluation of Apple iOS 17: iPhone (the Target of Evaluation, or TOE). It presents the evaluation results, their justifications, and the conformance results. This VR is not an endorsement of the TOE by any agency of the U.S. Government and no warranty of the TOE is either expressed or implied.

This VR is intended to assist the end-user of this product and any security certification agent for that end-user in determining the suitability of this Information Technology (IT) product in their environment. End-users should review the Security Target ([ST]), which is where specific security claims are made, in conjunction with this VR, which describes how those security claims were evaluated and tested and any restrictions on the evaluated configuration. This VR applies only to the specific version and configuration of the product as evaluated and as documented in the ST. Prospective users should carefully read the Assumptions and Clarification of Scope in Section 5 and the Validator Comments in Section 10, where any restrictions on the evaluated configuration are highlighted.

The evaluation was performed by atsec Common Criteria Testing Laboratory (CCTL) in Austin, TX, USA, and was completed in May 2025. The information in this report is largely derived from the Evaluation Technical Report (ETR) and associated test report written by atsec. The evaluation determined that the TOE is Common Criteria Part 2 Extended and Common Criteria Part 3 Extended and meets the assurance requirements of the *Protection Profile*, *PP-Modules*, and *Functional Package* identified in *Table 1*.

## 2 Identification

The CCEVS is a joint National Security Agency (NSA) and National Institute of Standards and Technology (NIST) effort to establish commercial facilities to perform trusted product evaluations. Under this program, commercial testing laboratories called Common Criteria Testing Laboratories (CCTLs) use the Common Criteria (CC) and Common Methodology for IT Security Evaluation (CEM) to conduct security evaluations, in accordance with National Voluntary Laboratory Assessment Program (NVLAP) accreditation.

The NIAP Validation Body assigns Validators to monitor the CCTLs to ensure quality and consistency across evaluations. Developers of IT products desiring a security evaluation contract with a CCTL and pay a fee for their product's evaluation. Upon successful completion of the evaluation, the product is added to NIAP's Product Compliant List (PCL).

*Table 1* provides information needed to completely identify the product, including:

- The TOE—the fully qualified identifier of the product as evaluated
- The ST—the unique identification of the document describing the security features, claims, and assurances of the product
- The conformance result of the evaluation
- The PP/PP-Modules to which the product is conformant
- The organizations and individuals participating in the evaluation.

**Table 1: Evaluation Identifiers**

Item	Identifier
<b>Evaluation Scheme</b>	United States NIAP Common Criteria Evaluation and Validation Scheme
<b>TOE</b>	Apple iOS 17 executing on the following platforms: <ul style="list-style-type: none"> <li>• iPhone SE (2<sup>nd</sup> gen) (A13 Bionic processor)</li> </ul>

	<ul style="list-style-type: none"> <li>iPhone 11, iPhone 11 Pro, iPhone 11 Pro Max (A13 Bionic processor)</li> <li>iPhone 12 mini, iPhone 12, iPhone 12 Pro, iPhone 12 Pro Max (A14 Bionic processor)</li> <li>iPhone SE (3<sup>rd</sup> gen) (A15 Bionic processor)</li> <li>iPhone 13 mini, iPhone 13, iPhone 13 Pro, iPhone 13 Pro Max (A15 Bionic processor)</li> <li>iPhone 14, iPhone 14 Plus (A15 Bionic processor)</li> <li>iPhone 14 Pro, iPhone 14 Pro Max (A16 Bionic processor)</li> <li>iPhone 15, iPhone 15 Plus (A16 Bionic processor)</li> <li>iPhone 15 Pro, iPhone 15 Pro Max (A17 Pro processor)</li> </ul>
<b>Security Target</b>	Apple iOS 17: iPhone Security Target, Version 1.1, 2025-03-26
<b>Sponsor &amp; Developer</b>	Apple Inc.
<b>Completion Date</b>	May 2025
<b>CC Version</b>	Common Criteria for Information Technology Security Evaluation, Version 3.1, Release 5, April 2017
<b>CEM Version</b>	Common Methodology for Information Technology Security Evaluation: Version 3.1, Release 5, April 2017
<b>PP</b>	<ul style="list-style-type: none"> <li>PP-Configuration for Mobile Device Fundamentals, Biometric enrollment and verification for unlocking the device, Bluetooth, MDM Agents, Virtual Private Network (VPN) Clients, and WLAN Clients. Version 1.0, dated 2022-10-11, [CFG_MDF_BIO-BT-MDMA-VPNC-WLANC_V1.0] <ul style="list-style-type: none"> <li>[MDF]: Base-PP: Protection Profile for Mobile Device Fundamentals. Version 3.3 (PP_MDF_V3.3) as of 2022-09-12.</li> <li>[BIO]: PP-Module: collaborative PP-Module for Biometric enrolment and verification - for unlocking the device - [BIOPP-Module]. Version 1.1 (MOD_CPP_BIO_V1.1) as of 2022-09-12.</li> <li>[BT]: PP-Module for Bluetooth. Version 1.0 (MOD_BT_V1.0) as of 2021-04-15.</li> <li>[Agent]: PP-Module for MDM Agents. Version 1.0 (MOD_MDM_AGENT_V1.0) as of 2019-04-25.</li> <li>[VPNC]: PP-Module for Virtual Private Network (VPN) Clients. Version 2.4 (MOD_VPNC_V2.4) as of 2022-03-31.</li> <li>[WLANC]: PP-Module for WLAN Clients. Version 1.0 (MOD_WLANC_V1.0) as of 2022-03-31.</li> </ul> </li> <li>[TLSPKG]: Functional Package for Transport Layer Security (TLS). Version 1.1 (PKG_TLS_V1.1) as of 2019-03-01.</li> </ul>
<b>Conformance Result</b>	PP Compliant, CC Part 2 extended, CC Part 3 extended
<b>CCTL</b>	atsec information security corporation

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## 3 TOE Architecture

Note: The following architectural description is based on the description presented in the ST.

The Target of Evaluation (TOE) is Apple iOS 17: iPhone, which is a series of Apple iPhone mobile devices running the iOS 17 operating system, a Mobile Device Management (MDM) Agent, VPN client, and WLAN client components, which are included on the mobile devices.

The TOE operating system manages the device hardware, provides MDM Agent functionality, and provides the technologies required to implement native applications. It provides a built-in MDM framework application programmer interface (API), giving management features that may be utilized by external MDM solutions, allowing enterprises to use profiles to control some of the device settings.

The TOE operating system provides a consistent set of capabilities allowing the supervision of enrolled devices. This includes the preparation of devices for deployment, the subsequent management of the devices, and the termination of management.

The operating system part of the TOE acts as an intermediary between the underlying hardware and the apps running on the TOE. Apps do not talk to the underlying hardware directly. Instead, they communicate with the hardware through a set of well-defined system interfaces. These interfaces make it easy to write apps that work consistently on devices having different hardware capabilities.

The implementation of the TOE OS can be viewed as a set of layers described below. Lower layers contain fundamental services and technologies. Higher-level layers build upon the lower layers and provide more sophisticated services and technologies.

The **Cocoa Touch layer** contains key frameworks for building apps. These frameworks define the appearance of apps. They also provide the basic app infrastructure and support for key technologies such as multitasking, touch-based input, push notifications, and many high-level system services. When designing apps, one should investigate the technologies in this layer first to see if they meet the needs of the developer.

The **Media layer** contains the graphics, audio, and video technologies you use to implement multimedia experiences in apps.

The **Core Services layer** contains fundamental system services for apps. Key among these services is the Core Foundation and Foundation frameworks, which define the basic types that all apps use. This layer also contains individual technologies to support features such as location, iCloud, social media, and networking. Moreover, this layer implements data protection functions that allow apps that work with sensitive user data to take advantage of the built-in encryption available on some devices.

The **Core OS layer** contains the low-level features that most other technologies are built upon. This layer provides the security-related frameworks: Generic Security Services Framework for services specified in RFC 2743 and RFC 4401; Local Authentication Framework, Network Extension Framework for support of VPN tunnels, Security Framework for providing the Common Crypto library and managing certificates, cryptographic keys and trust policies and System Framework for providing the kernel environment and low-level UNIX interfaces

## 4 Environmental Strengths

The TOE provides the following security functions as described in the ST.

### 4.1 Security Audit

TOE provides the ability for responses to be sent from the MDM Device Agent to the MDM Server. These responses are configurable by the organization.

### 4.2 Cryptographic Support

The TOE provides cryptographic services via the following cryptographic modules for the encryption of data at rest, for secure communication channels, and for use by applications. In addition, the TOE implements a number of cryptographic protocols that can be used to establish a trusted channel to other IT entities.

- Apple corecrypto Module v14.0 [Apple silicon, User, Software, SL1]
- Apple corecrypto Module v14.0 [Apple silicon, Kernel, Software, SL1]
- Apple corecrypto Module v14.0 [Apple silicon, Secure Key Store, Hardware, SL2]

### 4.3 User Data Protection

User data in files is protected using cryptographic functions, ensuring this data remains protected even if the device gets lost or is stolen. Critical data (like passcodes used by apps or application-defined cryptographic keys) can be stored in the keychain, which provides additional protection. Passcode protection and encryption ensure that data at rest remains protected even in the case of the device being lost or stolen.

The Secure Enclave Processor (SEP), a separate CPU that executes a stand-alone operating system and has separate memory, provides protection for critical security data such as keys.

Data is protected such that only the app that owns the data can access it.

### 4.4 Identification and Authentication

The TOE provides user authentication using a passcode or biometric (fingerprint or face) except for Medical ID information, answering calls, making emergency calls, using the cameras, control center, flashlight or notification center.

External entities connecting to the TOE via a secure protocol (e.g., Transport Layer Security (TLS), Extensible Authentication Protocol Transport Layer Security (EAP-TLS), IPsec) can be authenticated using X.509 certificates.

### 4.5 Security Management

The security functions listed in the Security Target can be managed either by the user or by an authorized administrator through a Mobile Device Management (MDM) system. The Security Target identifies the functions that can be managed and indicates if the management can be performed by the user, by the authorized administrator, or both.

### 4.6 Protection of the TSF

The TOE implements the following protection of TSF data functions:

- Protection of cryptographic keys
- Use of memory protection and processor states to separate apps and protect the TSF from unauthorized access to the TSF resources

- Digital signature protection of the TSF image
- Software/firmware integrity
- Digital signature verification for apps
- Access to defined TSF data and TSF services only when the TOE is unlocked

## 4.7 TOE Access

The TSF provides functions to lock the TOE upon request and after an administrator-configurable time of inactivity. Access to the TOE via a wireless network is controlled by user/administrator defined policy.

## 4.8 Trusted Path/Channel

The TOE supports the use of the following cryptographic protocols that define a trusted channel between itself and another trusted IT product: IEEE 802.11-2012, IEEE 802.11ac-2013 (a.k.a. Wi-Fi 5), IEEE 802.11ax (a.k.a. Wi-Fi 6), IEEE 802.1X, EAP-TLS, TLS (v1.1, v1.2), IPsec, Bluetooth (v5.0, v5.3), HTTPS.

# 5 Assumptions and Clarification of Scope

## 5.1 Assumptions

The ST references the PP to which it claims conformance for assumptions about the use of the TOE. Those assumptions, drawn from the claimed PP, as listed in *Table 1*.

- The TOE's security functions are configured correctly in a manner to ensure that the TOE security policies will be enforced on all applicable network traffic flowing among the attached networks.
- Mobile device users are not willfully negligent or hostile and use the device within compliance of a reasonable Enterprise security policy.
- The TOE relies on network connectivity to carry out its management activities. The TOE will robustly handle instances when connectivity is unavailable or unreliable.
- TOE administrators are competent, trusted personnel who are not careless, willfully negligent, or hostile and abide by guidance documentation.
- Physical security, commensurate with the value of the TOE and the data it contains, is assumed to be provided by the environment.

## 5.2 Clarification of Scope

As with any evaluation, this evaluation shows only that the evaluated configuration meets the security claims made, with a certain level of assurance, achieved through performance by the evaluation team of the evaluation activities specified by the *PP*, *PP-Modules*, and *Functional Package* specified in *Table 1*.

- This evaluation covers only the specific software distribution and version identified in this document, and not any earlier or later versions released or in process.
- The evaluation of security functionality of the product was limited to the functionality specified in Apple iOS 17: iPhone Security Target, March 20, 2025 ([ST]). Any additional security related functional capabilities included in the product were not covered by this evaluation. In particular, the functionality mentioned in Section 8.2 of this document is excluded from the scope of the evaluation.
- This evaluation did not specifically search for, nor attempt to exploit, vulnerabilities that were not "obvious" or vulnerabilities to objectives not claimed in the ST. The CEM defines an "obvious"

vulnerability as one that is easily exploited with a minimum of understanding of the TOE, technical sophistication, and resources.

- The TOE must be installed, configured, and managed as described in the documentation referenced in Section 6 of this VR.

## 6 Documentation

**Table 2: TOE Guidance**

Reference	Document	Location
[CCGUIDE]	Apple iOS 17: iPhone and Apple iPadOS 17: iPad Common Criteria Configuration Guide	<a href="https://www.niap-ccevs.org/product/11446">https://www.niap-ccevs.org/product/11446</a> <a href="https://www.niap-ccevs.org/products/11447">https://www.niap-ccevs.org/products/11447</a>

## 7 IT Product Testing

This section describes the testing efforts of the evaluation team.

A non-proprietary description of the tests performed, and their results is provided in the following document:

- *Assurance Activity Report Apple iOS 17: iPhone*, Version 1.1, 2025-05-16 ([AAR]).

The purpose of the testing activity was to confirm the TOE behaves in accordance with the TOE security functional requirements as specified in the ST for a product that claims conformance to the *PP*, *PP-Modules*, and *Functional Package* identified in *Table 1*.

The evaluation team devised a Test Plan based on the Test Activities specified in the *PP*, *PP Modules* and *Functional Package* identified in *Table 1*. The Test Plan described how each test activity was to be instantiated within the TOE test environment. The evaluation team executed the tests specified in the Test Plan and documented the results in the team test report listed above.

Independent testing took place at the atsec CCTL facility in Austin, TX, Germany CCTL in Munich, Germany and at Apple facility in Cupertino, CA, from January 2024 to March 2025.

The evaluators received the TOE in the form that customers would receive it, installed and configured the TOE in accordance with the provided guidance, and exercised the Team Test Plan on equipment configured in the testing laboratory.

Given the complete set of test results from the test procedures exercised by the evaluators, the testing requirements were fulfilled.

### 7.1 Test Configuration

The evaluation team established a test configuration comprising Apple iOS 17 running on platforms listed in *Table 3*. The Assurance Activities Report ([AAR]) provides a detailed description of the test configuration the CCTL used to test the TOE.

## 8 TOE Evaluated Configuration

### 8.1 Evaluated Configuration

The evaluated configuration consists of the following hardware and software, when configured in accordance with the documentation specified in Section 6. The evaluation covers the following devices running iOS 17 operating system as detailed in *Table 1*.

Table 3: Devices Covered by the Evaluation

Processor	Device Name	Model Number
A13 Bionic	iPhone 11	A2111
		A2221
		A2223
	iPhone 11 Pro	A2160
		A2215
		A2217
	iPhone 11 Pro Max	A2161
		A2218
		A2220
	iPhone SE (2 <sup>nd</sup> gen)	A2275 (US/CA)
		A2296 (Global)
		A2298 (China)
A14 Bionic	iPhone 12 mini	A2176
		A2398
		A2399
		A2400
	iPhone 12	A2172
		A2402
		A2403
		A2404
	iPhone 12 Pro	A2341
		A2406
		A2407
		A2408
	iPhone 12 Pro Max	A2342
		A2410
		A2411
		A2412
A15 Bionic	iPhone 13 mini	A2481
		A2626
		A2628
		A2629
		A2630
	iPhone 13	A2482
		A2631
		A2633
		A2634

A16 Bionic	iPhone 13 Pro	A2635
		A2483
		A2636
		A2638
		A2639
		A2640
	iPhone 13 Pro Max	A2484
		A2641
		A2643
		A2644
		A2645
	iPhone SE (3 <sup>rd</sup> gen)	A2595
		A2782
		A2783
		A2785
	iPhone 14	A2649
		A2881
		A2882
		A2883
		A2884
	iPhone 14 Plus	A2632
		A2885
		A2886
		A2887
		A2888
	iPhone 14 Pro	A2650
		A2889
		A2890
		A2891
		A2892
	iPhone 14 Pro Max	A2651
		A2893
		A2894
		A2895
		A2896
	iPhone 15	A2846
		A3089
		A3090
		A3092

	iPhone 15 Plus	A2847
		A3093
		A3094
		A3096
A17 Pro	iPhone 15 Pro	A2848
		A3101
		A3102
		A3104
	iPhone 15 Pro Max	A2849
		A3105
		A3106
		A3108

## 8.2 Excluded Functionality

Apple iOS 17: iPhone additionally includes the following features that are not part of the evaluated TOE because they are outside the scope of the functionality described by the TOE's conformance claims:

- **Two-Factor Authentication**

Two-factor authentication is an extra layer of security for an Apple ID used in the Apple store, iCloud, and other Apple services.

- **Bonjour**

Bonjour is Apple's standards-based, zero configuration network protocol that lets devices find services on a network.

- **VPN Split Tunnel**

VPN split tunnel is not included in the evaluation and must be disabled in the Mobile Device configurations to meet the requirements of this CC evaluation.

- **Siri Interface**

The Siri interface is capable of supporting commands related to configuration settings.

- **Third-party MDM Agents**

Third-party applications are available that provide functionality as a Mobile Device MDM Agent. No third-party MDM Agent applications were included in the evaluation and are outside the scope of the evaluated configuration.

- **VPN Protocols and Authentication Methods**

The following Virtual Private Network (VPN) protocols are not included in the evaluation and must be disabled in the Mobile Device configurations that meet the requirements of this CC evaluation.

- Cisco IPsec
- Layer Two Tunneling Protocol (L2TP) over IPsec
- Secure Sockets Layer (SSL) VPN
- Shared secret authentication

- **Face ID with a Mask**

Face unlock with a face mask was not included in the evaluation. The Face ID with a Mask setting must be disabled in the evaluated configuration.

## 9 Results of the Evaluation

The results of the evaluation of the TOE against its target assurance requirements are generally described in this section and are presented in detail in the proprietary Evaluation Technical Report for Apple iOS 17: iPhone ([ETR]). The reader of this VR can assume that all assurance activities and work units received passing verdicts.

A verdict for an assurance component is determined by the resulting verdicts assigned to the corresponding evaluator action elements. The evaluation was conducted based upon CC version 3.1, revision 5 ([CCPART1], [CCPART2], [CCPART3]) and CEM version 3.1, revision 5 ([CEM]), and the specific evaluation activities specified in the *PP*, *PP-Modules*, and *Functional Package* identified in *Table 1*.

The evaluation determined the TOE satisfies the conformance claims made in the Apple iOS 17: iPhone Security Target, of Part 2 extended and Part 3 extended. The TOE satisfies the requirements specified in the *PP*, *PP-Modules*, and *Functional Package* identified in *Table 1*.

The Validators reviewed all the work of the evaluation team and agreed with their practices and findings.

### 9.1 Evaluation of the Security Target (ST) (ASE)

The evaluation team performed each TSS assurance activity and each work unit from ASE\_CCL.1, ASE\_ECD.1, ASE\_INT.1, ASE\_OBJ.1, ASE\_REQ.1, ASE\_SPD.1, and ASE\_TSS.1 CEM. The ST evaluation ensured the ST contains an ST introduction, TOE overview, TOE description, security problem definition in terms of threats, policies and assumptions, description of security objectives for the operational environment, a statement of security requirements claimed to be met by the product that are consistent with the claimed *PP*, *PP-Modules*, and *Functional Package*, and security function descriptions that satisfy the requirements.

### 9.2 Evaluation of the Development Activities (ADV)

The evaluation team performed each ADV assurance activity and applied each ADV\_FSP.1 CEM work unit. The evaluation team assessed the evaluation evidence and found it adequate to meet the requirements specified in the claimed *PP*, *PP-Modules*, and *Functional Package* for design evidence. The ADV evidence consists of the TSS descriptions provided in the ST and product guidance documentation providing descriptions of the TOE external interfaces.

### 9.3 Evaluation of the Guidance Activities (AGD)

The evaluation team performed each AGD assurance activity and applied each AGD\_OPE.1 and AGE\_PRE.1 work unit. The evaluation team determined the adequacy of the operational user guidance in describing how to operate the TOE in accordance with the descriptions in the ST. The evaluation team followed the guidance in the TOE preparative procedures to test the installation and configuration procedures to ensure the procedures result in the evaluated configuration. The guidance documentation was assessed during the design and testing phases of the evaluation to ensure it was complete.

### 9.4 Evaluation of the Life Cycle Support Activities (ALC)

The evaluation team performed each ALC assurance activity and applied each ALC\_CMC.1 and ALC\_CMS.1 CEM work unit to the extent possible given the evaluation evidence required by the claimed *PP*, *PP-Modules*, and *Functional Package*. The evaluation team ensured the TOE is labeled with a unique identifier consistent with the TOE identification in the evaluation evidence, and that the ST describes how timely security updates are made to the TOE.

## 9.5 Evaluation of the Test Documentation and the Test Activities (ATE)

The evaluation team performed each ATE assurance activity and applied each ATE\_IND.1 CEM work unit. The evaluation team ran the set of tests specified by the claimed *PP*, *PP-Modules*, and *Functional Package* and recorded the results in the Test Report, summarized in the AAR.

## 9.6 Vulnerability Assessment Activity (AVA)

The evaluation team performed each AVA assurance activity and applied each AVA\_VAN.1 CEM work unit. The evaluation team performed a vulnerability analysis following the processes described in the claimed *PP*, *PP-Modules*, and *Functional Package*. This comprised a search of public vulnerability databases.

The evaluator searched for publicly known vulnerabilities applicable to the TOE and its subsequent releases using the following sources:

- MITRE Common Vulnerabilities and Exposures (CVE) List:
  - [https://cve.mitre.org/cve/search\\_cve\\_list.html](https://cve.mitre.org/cve/search_cve_list.html)
- National Vulnerability Database:
  - <https://nvd.nist.gov/>
- CISA Known Exploited Vulnerabilities Catalog:
  - <https://www.cisa.gov/known-exploited-vulnerabilities-catalog>

Keywords used in CVE search:

- ios iphone
- ios apple
- ios 17.2
- ios core tls
- ios core crypto
- ios common crypto
- ios http
- ios https
- ios tcp
- ios ip
- ios bluetooth
- ios ipsec
- ios vpn
- ios mdm
- ios mobile
- ios touchid
- ios faceid
- broadcom wi-fi

In addition to the lists of fixes published by the vendor, the evaluator performed manual searches on the dates 03/03/2025 and 05/12/2025. The results of these searches did not identify any vulnerabilities.

The results of these searches did not identify any vulnerabilities that are applicable to the TOE. The conclusion drawn from the vulnerability analysis is that no residual vulnerabilities exist that are exploitable by attackers with Basic Attack Potential as defined by the Certification Body in accordance with the guidance in the CEM.

## 9.7 Summary of Evaluation Results

The evaluation team's assessment of the evaluation evidence demonstrates that the claims in the ST are met, sufficient to satisfy the evaluation activities specified in the claimed *PP*, *PP-Modules*, and *Functional Package*. Furthermore, the evaluation team's testing demonstrates the accuracy of the claims in the ST.

The validation team's assessment of the evidence provided by the evaluation team is that it demonstrates that the evaluation team followed the procedures defined in the CEM, and correctly verified that the product meets the claims in the ST.

## 10 Validator Comments/Recommendations

The validation team notes that the evaluated configuration is dependent upon the TOE being configured per the evaluated configuration instructions in the Apple iOS 17: iPhone and Apple iPadOS 17: iPad Common Criteria Configuration Guide, Version 1.0, 2025-03-26.

No versions of the TOE and software, either earlier or later are covered by the scope of this evaluation. Please note that the functionality evaluated is scoped exclusively to the security functional requirements specified in the Security Target. Other functionality included in the product was not assessed as part of this evaluation. All other functionality provided by devices in the operational environment need to be assessed separately and no further conclusions can be drawn about their effectiveness.

The excluded functionality is specified in section 8.2 of this report. All other items and scope issues have been sufficiently addressed elsewhere in this document.

## 11 Security Target

The ST for this product's evaluation is Apple iOS 17: iPhone Security Target, Version 1.1, 2025-03-26 ([ST]).

## A Abbreviations and Acronyms

This section identifies abbreviations and acronyms used in this document.

<b>CAVP</b>	Cryptographic Algorithm Validation Program
<b>CC</b>	Common Criteria for Information Technology Security Evaluation
<b>CCTL</b>	Common Criteria Testing Laboratory
<b>CEM</b>	Common Evaluation Methodology
<b>ETR</b>	Evaluation Technical Report
<b>HTTPS</b>	Hypertext Transfer Protocol Secure
<b>IT</b>	Information Technology
<b>NIAP</b>	National Information Assurance Partnership
<b>NIST</b>	National Institute of Standards and Technology
<b>PCL</b>	Product Compliant List
<b>PP</b>	Protection Profile
<b>SAR</b>	Security Assurance Requirement
<b>SFR</b>	Security Functional Requirement
<b>ST</b>	Security Target
<b>TOE</b>	Target of Evaluation
<b>TSF</b>	TOE Security Functions
<b>TSS</b>	TOE Summary Specification
<b>VR</b>	Validation Report

## B Bibliography

The validation team used the following documents to produce this VR:

- [CCPART1] Common Criteria Project Sponsoring Organisations. Common Criteria for Information Technology Security Evaluation: Part 1: Introduction and general model, Version 3.1, Revision 5, April 2017.
- [CCPART2] Common Criteria Project Sponsoring Organisations. Common Criteria for Information Technology Security Evaluation: Part 2: Security functional components, Version 3.1, Revision 5, April 2017.
- [CCPART3] Common Criteria Project Sponsoring Organisations. Common Criteria for Information Technology Security Evaluation: Part 3: Security assurance requirements, Version 3.1, Revision 5, April 2017.
- [AAR] Assurance Activities Report Apple iOS17: iPhone, Version 1.1, 2025-05-16
- [CEM] Common Criteria Project Sponsoring Organisations. Common Evaluation Methodology for Information Technology Security, Version 3.1, Revision 5, April 2017.
- [CCGUIDE] Apple iOS 17: iPhone and Apple iPadOS 17: iPad Common Criteria Configuration Guide, Version 1.0, 2025-03-26
- [CFG\_MDF\_BIO-BT-MDMA-VPNC-WLAN\_V1.0] PP-Configuration for Mobile Device Fundamentals, Biometric enrollment and verification for unlocking the device, Bluetooth, MDM Agents, Virtual Private Network (VPN) Clients, and WLAN Clients. Version 1.0, dated 2022-10-11
- [BIO] PP-Module for collaborative PP-Module for Biometric enrolment and verification - for unlocking the device, Version 1.1, 2022-09-12.
- [BT] PP-Module Bluetooth, Version 1.0, 2021-04-15.
- [ETR] Evaluation Technical Report Apple iOS17: iPhone, Version 1.1, 2025-05-16
- [MDF] Protection Profile for Mobile Device Fundamentals. Version 3.3, 2022-09-12.
- [TLSPKG] Functional Package for Transport Layer Security (TLS), Version 1.1, 2019-03-01.
- [ST] Apple iOS 17: iPhone Security Target, Version 1.1, 2025-03-26
- [VPNC] PP-Module for Virtual Private Network (VPN) Clients. Version 2.4, 2022-03-31
- [WLANC] PP-Module for WLAN Clients. Version 1.0, 2022-03-31.