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MeitY, Government of India

Validator Observation Report-EAL 3

Validation report on ST evaluation

A. Project Details:

Project ID:

Target EAL: EAL 3

PP reference:

B. Validation objects:

a. Reference Evaluation evidence (from the developer):

Developer's doc/ artefact:

Document Identification:

Version:

Date of release:

b. Reference Evaluators' report:

Evaluator's report:



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Validator Observation Report-EAL 3

1. Validator's comment on "application of all ASE work units":

#	Assurance components	Evaluator action elements	Validator's comment
1	ASE_INT.1: ST Introduction	ASE_INT.1.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence	
		ASE_INT.1.2E The evaluator <i>shall confirm</i> that the TOE reference, the TOE overview, and the TOE description are consistent with each other	
2	ASE_CCL.1 Conformance claims	ASE_CCL.1.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence	
3	ASE_SPD.1 Security problem definition	ASE_SPD.1.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	
4	ASE_OBJ.2 Security objectives	ASE_OBJ.2.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence	
5	ASE_ECD.1 Extended components definition	ASE_ECD.1.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	
		ASE_ECD.1.2E The evaluator <i>shall confirm</i> that no extended component can be clearly expressed using existing components.	
6	ASE_REQ.2 Derived security requirements	ASE_REQ.2.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence	



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7	ASE_TSS.1 TOE summary specification	ASE_TSS.1.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	
		ASE_TSS.1.2E The evaluator <i>shall confirm</i> that the TOE summary specification is consistent with the TOE overview and the TOE description.	



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2. Validator's comment on evaluation for "TOE type and its usage":

3. Validator's comment on evaluation for "TOE and its boundary":

4. Validator's comment on evaluation for "TOE operational environment":

1.

5. Validator's comment on evaluation for "IT asset to be protected by the TOE":

- *User's data*
- *TOE data which provides network services to the users*

6. Validator's comment on evaluation for identified threats (their relevance and justification):

Sl. No	Threat	Description and justification

1. Security functions:

2. Overall verdict:

3. Validation done by:

----- 0 -----



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Validator Observation Report-EAL 3

Validation report on ADV evaluation

A. Context of validation

1. Project Details:

Project ID:

Target EAL: **EAL 3**

PP reference:

Validation objects:

c. Reference Evaluation evidence (from the developer):

Developer's doc/artefact:

1. For ADV_ARC.1:
2. For ADV_FSP.3:
3. For ADV_TDS.3:

d. Reference Evaluators' report:

Evaluator's report:

1. For ADV_ARC.1:
2. For ADV_FSP.3:
4. For ADV_TDS.2:



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B. Validation results

1. Validator's comment on "application of all ADV work units":

#	Assurance components	Evaluator action elements	Validator's comment
1.	ADV_ARC.1: Security architecture description	ADV_ARC.1.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	
2.	ADV_FSP.3: Functional specification with complete summary	ADV_FSP.3.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	
		ADV_FSP.3.2E The evaluator <i>shall determine</i> that the functional specification is an accurate and complete instantiation of the SFRs.	
3.	ADV_TDS.2: Architectural design	ADV_TDS.2.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	
		ADV_TDS.2.2E The evaluator <i>shall determine</i> that the design is an accurate and complete instantiation of all security functional requirements.	



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2. Validator's comment on evaluation for "ADV_ARC.1: Security architecture description":

2a. Comments on security architecture description in respect of '**Security domains**' maintained by the TSF.

2b. Comments on security architecture description in respect of '**how the TSF initialisation process is secure**'

2c. Comments on security architecture description in respect of '**how the TSF protects itself from tampering**'

2d. Comments on security architecture description in respect of '**how the TSF prevents bypass of SFR-enforcing functionalities**'

2e. Overall verdict on ADV_ARC.1



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3. Validator's comment on evaluation for "ADV_FSP.3: Functional specification with complete summary":

3a. Comments on the evaluator's assessment of **completeness** of the functional specification that it completely represents the TSFs.

3b. Comments on the evaluator's examination on the description of **the purpose and method of use** of all TSFI:

3c. Comments on the evaluator's examination **on correctness** and **completeness** of the description of the TSFI in respect of identification of all Parameters, all actions of and associated Direct Error message.

3d. Comments on the evaluator's examination on tracing of SFRs to the TSFIs

3e. Overall verdict of ADV_FSP.3

4. Validator's comment on evaluation for "ADV_TDS.2: Architectural design":

4a. On description of the structure of the TOE in terms of sub-systems.

4b. On the accuracy of mapping between the subsystems of the TSF and the modules of the TSF

4c. On completeness and correctness of the description of the purpose of each SFR-enforcing subsystems and relationship with other subsystems.



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4d. On tracing of the TSFIs to the behaviour described in the TOE design that they invoke.

4e. On coverage and accuracy of SFRs by design description

4f. Overall verdict on ADV_TDS.2

Overall Verdict on ADV_*

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Validator Observation Report-EAL 3

Validation report on AGD evaluation

A. Context of validation

1. Project Details:

Project ID:

Target EAL: **EAL 3**

PP reference:

2. Validation objects:

a. Reference Evaluation evidence (from the developer):

Developer's doc/artefact:

1. For AGD_PRE.1:
2. For AGD_OPE.1:

b. Reference Evaluators' report:

Evaluator's report:

1. For AGD_PRE.1:
2. For AGD_OPE.1:

B. Validation results

1. Validator's comment on "application of all AGD work units":

#	Assurance components	Evaluator action elements	Validator's comment
1	AGD_PRE.1: Preparative procedures	AGD_PRE.1.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	
		AGD_PRE.1.2E The evaluator <i>shall apply</i> the preparative procedures to confirm that the TOE can be prepared securely for operation.	



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2	AGD_OPE.1: Operational user guidance	AGD_OPE.1.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	
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2. Validator's comment on evaluation for "AGD_PRE.1: Preparative procedures":

2.a. On steps for secure acceptance of the delivered TOE

2.b. On steps for secure installation of the TOE

2.c. On secure preparation of the operational environment as per ST

2.d. On application of the documented preparatory procedure for ATE_IND and
AVA_VAN activities

3. Validator's comment on evaluation for "AGD_OPE.1: Operational user guidance":

Overall verdict:

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Validation report on ALC evaluation

A. Context of validation

1. Project Details:

Project ID:

Target EAL: **EAL 3**

PP reference: **Validation objects:**

a. Reference Evaluation evidence (from the developer):

Developer's doc/artefact:

1. For ALC_CMC.3:
2. For ALC_CMS.3:
3. For ALC_DEL.1:
4. For ALC_DVS.1:
5. For ALC_LCD.1:

b. Reference Evaluators' report:

Evaluator's report:

1. For ALC_CMC.3:
2. For ALC_CMS.3:
3. For ALC_DEL.1:
4. For ALC_DVS.1:
5. For ALC_LCD.1:
6. [Site visit report:](#)

B. Validation results

1. Validator's comment on "application of all ALC work units":

#	Assurance components	Evaluator action elements	Validator's comment
1	ALC_CMC.3: Authorisation controls	ALC_CMC.3.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	
2	ALC_CMS.3: Implementation representation CM coverage	ALC_CMS.3.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	



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3	ALC_DEL.1: Delivery procedures	ALC_DEL.1.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	
4.	ALC_DVS.1: Identification of security measures	ALC_DVS.1.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	
		ALC_DVS.1.2E The evaluator <i>shall confirm</i> that the security measures are being applied.	
5.	ALC_LCD.1: Developer defined Life- Cycle model	ALC_LCD.1.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	

2. Validator's comment on evaluation for "ALC_CMC.3: Authorisation controls":

2.a. On unique identification of TOE and all other configuration items

2.b. On the documented method used for unique identification of TOE and all other configuration items

2.c. On the CM Access, control measure(s) taken

3. Validator's comment on evaluation for "ALC_CMS.3: Implementation representation CM coverage":

3. a. On coverage of configuration items



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3.b. On the identification of the developer involved in all configuration items relevant to the TSF (if more than one developer)

4. Validator’s comment on evaluation for “ALC_DEL.1: Delivery procedures”:

5. Validator’s comment on evaluation for “ALC_DVS.1: Identification of security measures”

6. Validator’s comment on evaluation for “ALC_LCD.1: Developer defined Life-Cycle model”:

Overall verdict:

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Validator Observation Report-EAL 3

Validation report on ATE evaluation

A. Context of validation

3. Project Details:

Project ID:

Target EAL: **EAL 3**

PP reference:

4. Validation objects:

a. Reference Evaluation evidence (from the developer):

Developer's document/artefact:

1. For ATE_FUN.1:
2. For ATE_COV.1:
3. For ATE_DPT.1:
4. For ATE_IND.2:

The TOE (Product):

TOE Environment:

Hardware

Software

The package containing TOE executables having following hash values.

b. Reference Evaluators' report:

Evaluator's report:

1. For ATE_FUN.1:
2. For ATE_COV.2:
3. For ATE_DPT.1:
4. For ATE_IND.2:

B. Validation results

1. Validator's comment on "application of all ATE work units":

#	Assurance components	Evaluator action elements	Validator's comment
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1	ATE_FUN.1: Functional Testing	ATE_FUN.1.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	
2	ATE_COV.2: Analysis of coverage	ATE_COV.2.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	
3	ATE_IND.2: Independent testing - sample	ATE_IND.2.1E The evaluator <i>shall confirm</i> that the information provided meets all requirements for content and presentation of evidence.	
		ATE_IND.2.2E The evaluator <i>shall execute</i> a sample of tests in the test documentation to verify the developer test results.	
		ATE_IND.2.3E The evaluator <i>shall test</i> a subset of the TSF to confirm that the TSF operates as specified.	

2. Validator's comment on evaluation for "ATE_FUN.1: Functional Testing":

2a. On consistency of TOE Test configuration with ST

2b. On developer's test effort for multiple configurations of the TOE, if defined in ST:

2c. On issue of ordering dependency of developer's test



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2d. On the consistency of developer's test environment vis-à-vis the Operational environment of TOE defined in ST:

2e. On evaluator's examination on expected results reported on developer's test report

2f. On evaluator's reporting to ETR in respect of (1) TOE Test Configuration (2) Testing Approach & (3) Test Results

The evaluator proposes to report the following in ETR.

2g. Overall verdict on "ATE_FUN.1: Functional Testing"

3. Validator's comment on evaluation for "ATE_COV.2: Analysis of coverage":

3a. On evaluator's consultation of Security Target and Functional specification document, while evaluating ATE_COV.2:

3b. On coverage of all externally visible interfaces of the TOE:

3c. Overall verdict on "ATE_COV.2: Analysis of coverage":

4. Validator's comment on evaluation for "ATE_IND.2: Independent testing - sample":

4a. Validator's analysis on derivation of evaluator's test cases from ST/Functional spec./Design:

Sample test scenarios identified by the validator	Relevant evaluator's Test case(s)



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4b. On use of AGD_PRE.1 document for evaluator's tests

4c. On witnessing of evaluator's test

The objectives of the tests	Test Case ID	Remarks

4d. Overall verdict on "ATE_IND.2: Independent testing - sample":

Overall verdict on ATE_*:

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Validator Observation Report-EAL 3

Validation report on AVA evaluation

A. Context of validation

1. Project Details:

Project ID:

Target EAL: EAL 3

PP reference:

2. Validation objects:

a. Reference Evaluation evidence (from the developer):

Developer's doc/ artefact: For AVA_VAN.2:

- i. **The TOE (Product):** (MD5)
- ii. **TOE Environment:**

Hardware

Software (the TOE and its associated software environment)

The package containing TOE executables having following hash values (MD5).

b. Reference Evaluators' report:

Evaluator's report:

- 1. For AVA_VAN.2:

B. Validation results

1. Validator's comment on "application of all AVA work units":

#	Assurance components	Evaluator action elements	Validator's comment
1	AVA_VAN.2: Vulnerability analysis	AVA_VAN.2.1E The evaluator shall confirm that the information provided meets all requirements for content and presentation of evidence	
		AVA_VAN.2.2E The evaluator shall perform a search of public domain sources to identify potential vulnerabilities in the TOE.	
		AVA_VAN.2.3E The evaluator shall perform an independent, vulnerability analysis of the TOE using the guidance documentation, functional specification, TOE design, security architecture	



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		description and implementation representation to identify potential vulnerabilities in the TOE.	
		AVA_VAN.2.4E The evaluator shall conduct penetration testing, based on the identified potential vulnerabilities, to determine that the TOE is resistant to attacks performed by an attacker possessing Basic attack potential .	



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2. Validator’s comment on evaluation for “AVA_VAN.2: Vulnerability analysis”:

2a. On evaluator’s effort in performing a search of public domain sources to identify potential vulnerabilities in the TOE

2b. On evaluator’s effort in performing an independent Analysis of the TOE, using Guidance documentation, Functional specification, TOE design and Security Architecture description and Implementation Representation to identify potential vulnerabilities/ Areas of Concern.

Sl. No.	Hypothesized potential vulnerabilities/ Areas of Concern (AoC) identified	Evaluation evidence analysed by the Evaluator	Attack scenarios hypothesized with estimated attack potential	PT devised
Conduc				

Pen2c. On conduction of penetration testing, based on the identified potential vulnerabilities to determine that the TOE is resistant to attack with ‘Basic’ attack potential



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2d. On residual vulnerabilities of the TOE which can be exploited with attacks having higher attack potential than '**Basic**' i.e. 'Enhanced Basic' or higher.

Overall verdict:

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Validator Observation Report-EAL 3

Validation report on ETR

A. Context of validation

1. Project Details:

Project ID:

Target EAL: **EAL 3**

PP reference:

2. Validation objects:

a. Reference Evaluators' report:

Evaluator's report:

i. Validation results

Validator's comment on the minimum content of the ETR for a TOE evaluation [ref. CEM ver. 3.1, §para 112, CCMB-2017-04-004]

#	Requirements as per CEM	Ref. section of ETR under validation	Validator's comment
INTRODUCTION			
1	The evaluator shall report evaluation scheme identifiers		
2	The evaluator shall report ETR configuration control identifiers		
3	The evaluator shall report ST and TOE configuration control identifiers		
4	The evaluator shall report the identity of the developer		
5	The evaluator shall report the identity of the sponsor		
6	The evaluator shall report the identity of the evaluator		
ARCHITECTURAL DESCRIPTION OF THE TOE			
7	The evaluator shall report a high-level description of the TOE and its major components based on the evaluation evidence		



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	described in the CC assurance family entitled TOE design (ADV_TDS), where applicable.		
EVALUATION			
8	The evaluator shall report the evaluation methods, techniques, tools and standards used.		
9	The evaluator shall report any constraints on the evaluation, constraints on the distribution of evaluation results and assumptions made during the evaluation that have an impact on the evaluation results.		
RESULT OF THE EVALUATION			
10	For each activity on which the TOE is evaluated, the evaluator shall report : <ul style="list-style-type: none"> the title of the activity considered a verdict and a supporting rationale for each assurance component that constitutes this activity, as a result of performing the corresponding CEM action and its constituent work units. 		
11	The evaluator shall report all information specifically required by a work unit. [For the AVA and ATE activities, work units that identify information to be reported in the ETR have been defined]		
CONCLUSIONS AND RECOMMENDATIONS			



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12	The evaluator shall report the conclusions of the evaluation, which will relate to whether the TOE has satisfied its associated ST		
LIST OF EVALUATION EVIDENCE			
13	The evaluator shall report for each item of evaluation evidence the following information: <ul style="list-style-type: none">• the issuing body (e.g. the developer, the sponsor);• the title;• the unique reference (e.g. issue date and version number).		
LIST OF ACRONYMS/GLOSSARY OF TERMS			
14	The evaluator shall report any acronyms or abbreviations used in the ETR.		
OBSERVATION REPORTS			
15	The evaluator shall report a complete list that uniquely identifies the ORs raised during the evaluation and their status.		



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Table-1: Hashes of the TOE executable binaries

a. TOE Package

Sl No.	The image files	File size (in Kilo bytes)	Md5 Hash values of the image files

b. The MD5 Sums of TOE Binaries:

Overall verdict:

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CertificationReport

ReportNumber :

Product/system :



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Validator Observation Report-EAL 3

Dated:

Version:1.0

Government of India

Ministry of Electronics & Information Technology Standardization, Testing and Quality Certification Directorate

6.CGO Complex, Lodi Road, New Delhi-110003 India



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Product developer:

TOE evaluation sponsored by:

Evaluation facility:

Evaluation Personnel:

Evaluators:

Test engineers:

Evaluation report:

Report No:

Validation Personnel:



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PART A: CERTIFICATION STATEMENT AND BACKGROUND OF THE CERTIFICATION BODY

A1 Certification Statement

The product below has been evaluated under the terms of the Indian Common Criteria Certification Scheme (IC3S) and has met the stated Common Criteria requirements. The scope of the evaluation and the assumed usage environment are specified in the body of this report.	
Sponsor	
Developer	
The Target of Evaluation (TOE)	
Security Target (ST)	
Brief description of product	
CCPart2[CC-II]	
CCPart3[CC-III]	
EAL	



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EvaluationLab	
DateAuthorized	

A2. About the Certification Body

STQC IT Certification Services, the IT Certification Body of Standardization Testing and Quality Certification – was established in 1998 and offers a variety of services in the context of security evaluation and validation. It is the first Certification Body in India for BS 7799/ISO 27001 certification of Information Security Management Systems (ISMS). The Indian CC Certification Scheme (IC3S) is the IT security evaluation & certification scheme based on Common Criteria standards, it is established by Govt. of India under, the then, Department of Information Technology (now MeitY), STQC Directorate to evaluate & certify the trustworthiness of the security features in Information Technology (IT) products and systems. IC3S, Indian Common Criteria Certification Scheme, is an independent third-party certification scheme for the security functions or mechanisms of the IT products. It also provides framework for International Mutual Recognition of such certificates with the member countries of CCRA (Arrangement on the Recognition of Common Criteria Certificates in the field of Information Technology Security). The principal participants in the scheme are:

- Applicant (Sponsor/Developer) of IT security evaluations.
- IC3S, the Certification Body, operated by STQC, Dte., Min. of Electronics and Information Technology, Govt. of India.
- Common Criteria Testing Laboratories (CCTLs).

A3 Specifications of the Certification Procedure

The certification body operates under the official administrative procedures according to the criteria and procedures laid down in the following:

- ISO/IEC Guide 65, and the requirements laid down in Annex C of CCRA
- Indian Common Certification Scheme (IC3S)
- STQC/CC/DO2: Standard Operating Procedure (SOP) for Certification Body- Quality Manual – describes the quality management system for the Scheme.
- Common Criteria for Information Technology Security Evaluation (CC) part 1-3, Version 3.1
- Common Evaluation Methodology (CEM) Version 3.1.

A4 Process of Evaluation and Certification

The certification body monitors each individual evaluation to ensure uniform procedures, interpretations of the criteria, and ratings. The TOE has undergone the certification procedure at STQC IT Certification Body. The evaluation of the product was conducted by the evaluation body Common Criteria Test Laboratory (CCTL),



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xxxxxxx. Hereafter this is referred as 'xxxxxxxL'. The evaluation facility is recognized under Indian Common Criteria Certification Scheme (the IC3S).

XXXXXXXXXX is the developer of the product and as well as is the sponsor of the TOE evaluation.

The certification process is concluded with the completion of this certification report.

The evaluation team completed all task on dd/mm/yyyy and handed over the Evaluation Technical Report [ETR] to the validator (on behalf of the certification body).


The confirmation of the evaluation assurance level (EAL) applies on the following conditions:

- All stated condition regarding configuration and operation, as given in part B of this report, are observed,
- The product is operated—where indicated—in the environment described.

This certification report applies only to the version and release of the product with its guidance documents, indicated here. The validity of the certificate can be extended to cover new versions and releases of the product, provided the developer / sponsor of the product applies for assurance continuity/re-certification for the modified product, in accordance with the procedural requirements.

A5 Publication

The following Certification Results consist of Sections B1 to B11 of this report. The TOE will be included in the list of the products certified under IC3S Scheme of STQC IT Certification Body. The list of certified products is published at regular intervals in the Internet at <https://www.commoncriteria-india.gov.in>. Further copies of this certification report may be ordered from the sponsor of the product. The certification report may also be obtained in electronic form on request to the Certification Body.

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PART B: CERTIFICATION RESULTS

B.1 Executive Summary

B.1.1 Introduction

The Certification Report documents the outcome of Common Criteria security evaluation of the TOE. It presents the evaluation results and the conformance results. This certificate report is intended to assist the prospective buyers and users when judging the suitability of the IT security of the product for specified requirements. Prospective buyers and users are advised to read this report in conjunction with the referred [ST] of the product, which specifies the functional, environmental and assurance requirements.

The evaluation was performed by the CC Evaluators of xxxxxx. The information, presented in this report, are derived from the [ST] written by the developer and the Evaluation Technical Report [ETR] issued by Common Criteria Test Laboratory [ERTL (E)-CCTL]. The evaluation team determined the product is conformant to Common Criteria Standard, ver. 3.1, following Common Evaluation Methodology [CEM] and concluded that the Target of Evaluation meets the requirements for Evaluation Assurance Level (**EAL 3**) of the Standard.

B.1.2 Evaluated product and TOE

The evaluated version of the product, with its guidance documents, have been described as the Target of Evaluation (TOE) in this report. The Evaluated Configuration of the product, its security functions, assumed environment are given below (Refer B2 to B5).

B.1.3 Security Claims

The [ST] specifies the security objectives of the TOE and the threats that they counter (Refer 3.2 and 4.1 of

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ST). All the Security Functional Requirements (SFRs), listed in 6.2 of [ST] are taken from CC Part 2. **The threats** considered by the developer are as below:

B 1.4 Conduct of Evaluation

The evaluation was initiated by the IC3S Certification Scheme of STQC IT Certification Body via communication no. xxxxxxxxxxxx dated xxxxxxxx

B 1.5 Independence of Certifier

The certifier did not render any consulting or other services for the company ordering the certification and there was no relationship between them, which might have an influence on this assessment.

B 1.6 Disclaimers

The certification results only apply to the version and release of the product as indicated in the certificate. The certificate is valid for stated conditions as detailed in this report. This certificate is not an endorsement of the IT product by the Certification Body or any other organization that recognizes or gives effect to this certificate. It is also not an endorsement of the target of evaluation (TOE) by any agency of the Government of India and no warranty of the TOE is either expressed or implied.

B 1.7 Recommendations and conclusions

- he conclusions of the Certification Body are summarized in the Certification Statement at Section A1. T
- he specific scope of certifications should be clearly understood by reading this report along with the [ST]. T



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- heTOE should be used in accordance with the environmental assumptions mentioned in the [ST]. T
- he TOE should be used in accordance with the supporting guidance documentation. T
- his Certification report is only valid for the evaluated configurations of the TOE. T

B2 Identification of TOE

TOE environment:

Non-TOE Environment:

Delivery to the user

Following are the parts/items delivered to the TOE user:

S. N	Part/Item Description	Delivery method
1.		
2.		
3.		

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4.		
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B3 Security policy

There are no organizational security policy(ies) that the TOE is expected to meet.

B.4 Assumptions

There are following assumptions exist in the TOE environment.

Table 1: Assumptions

A.Type	Description

B.5 Evaluated configuration

- | | | |
|------|--|---|
| iii. | he TOE (Product): | I |
| iv. | OE Environment: | I |
| | a)
<i>ardware</i> | H |
| | b) <i>Software (the TOE and its associated software environment)</i>
The package containing TOE executables having following hash values (MD5). | |

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B6 Document Evaluation

B.6.1 Documentation

The list of documents, presented, as a evaluation evidence to the evaluation team are given below:

1. Security Target:
2. TOE Architecture:
3. TOE Functional Specification:
4. TOE Design description:
5. TOE Preparative Guidance:
6. TOE Operational Guidance:
7. TOE Configuration Management Capability:
8. TOE Configuration Management Scope:
9. TOE delivery Procedure:
10. TOE development and maintenance life-cycle model:
11. Test cases, logs, and coverage:

B.6.2 Analysis of document

The documents related to the following areas were analyzed following the guidance stated in respective Work Units of Common Evaluation Methodology, ver. 3.1 [CEM]. The summary of analysis is as below:

The ST:

The evaluation team checked, analyzed the ST document, presented for the TOE, and confirmed that ST complies all requirements of the Common Criteria Standards, ver. 3.1 and internally consistent. The TOE provides following security features:



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The intended operational environment for the evaluated TOE assumes that:

TOE Development (Functional Specification, Architecture, and Design):

Functional Specification:

The evaluation team analyzed the functional specification of the TOE in consultation with TOE Design, Guidance document, TOE implementation document and found that the TOE security function interfaces are described clearly and unambiguously.

Security Architecture description:

The evaluation team analyzed the descriptions of the Security Architecture xxxxxxxx Software and confirmed that the TSF maintains the *security domains* as follows:

The evaluator also confirmed that the TSFs are getting *initialized securely* as below:

TSFs are **architecturally protected** in this TOE, through the following means:



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Bypassingthe SFR-enforcing functionalities is **prevented architecturally**:

Design description:

Guidance Documents:

Life-cycle support documents:

Configuration management:

Delivery procedure:

The final versions of the respective evaluation evidences are found to comply with the requirements of CCv3.1 for EAL3.

B7 Product Testing

Testing at EAL3 consists of the following three steps:

- | | | |
|------|---|---|
| i. | Testing by developer | T |
| ii. | Independent Testing by Evaluation Team, and | I |
| iii. | | P |



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enetration testing.

B 7.1 IT Product Testing by Developer

The evaluators verified that the developer has met their testing responsibilities by examining their test evidence, and reviewing their test results, as documented in the [ETR].

The evaluators analysed the developer's test coverage and found them to be complete and satisfactory. The correspondence between the tests identified in the developer's test documentation and the functional specification and TOE design was complete.

B 7.2 IT Product Independent Testing by Evaluation Team

The evaluators' independent functional testing effort is summarized as below.

All testing was planned and documented to a sufficient level of detail to allow repeatability of the testing procedures and reproducibility of results. The evaluators have examined the TOE and it is found to be configurable as per the description given in the developer's preparative guidance document. It is also observed that the test configuration is consistent with the description as given in the security target document. Highlights of Independent testing are given below:

Evaluator planned for 16 test cases, covering ALL the TSFIs and the SFRs (Security Functional Requirements) stated in ST. The tests were conducted in an environment, which is consistent with the Operational Environment of the TOE, declared in the ST. All the tests have successfully passed.



B 7.3 Vulnerability Analysis and Penetration testing

B 9 Site visit

B 8 Evaluation Results

The evaluation results have been documented in the [ETR].

The TOE was evaluated through the evaluation of its documentation, testing and vulnerability assessment using

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methodology stated in [CEM] and laboratory operative procedure [OP-07].

Documentation evaluation results:

The documents for TOE and its development lifecycle were analyzed by the evaluator in view of the requirements of the respective work units of the [CEM]. The final versions of the documents were found to comply with the requirements of CCv3.1 for EAL3.

Testing:

Vulnerability assessment and penetration testing:

B 9 Validator Comments

The Validators have reviewed the Evaluation Technical Report [ETR] along with all relevant evaluation evidence, documents, records, etc. and are in agreement with the conclusion made in it, which are as follows:



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B 10 List of Acronyms

ACL:AccessControllist
 CC: Common Criteria
 CCTL:Common Criteria TestLaboratoryCEM:Common EvaluationMethodologyDVS:Development security
 EAL: Evaluation AssuranceLevel
 ETR:EvaluationTechnicalReport
 FSP:FunctionalSpecification
 IC3S: IndianCommon Criteria Certification Scheme
 IT: InformationTechnology
 PP:ProtectionProfile
 ST:Security Target
 TOE:Targetof Evaluation
 TDS:TOE Design Specification
 TSF:TOESecurityFunction
 TSFI:TOESecurityFunctionInterface

B 11 References

1. [CC-I]:Common Criteria forInformationTechnologySecurityEvaluation:Part1:Version3.1
2. [CC-II]:CommonCriteriaforInformation TechnologySecurityEvaluation:Part2:Version3.1
3. [CC-III]:CommonCriteriaforInformationTechnologySecurityEvaluation:Part3:Version3.1
4. [CEM]: CommonMethodologyforInformation Methodology:Version3.1
5. [ST]:
6. [ETR]:
7. [OP-07]:CCTLoperatingprocedure