FMV

CSEC

Swedish Certification Body for IT Security

Certification Report - Filkrypto - EA MLA

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Responsible: Jerry Johansson

Authorisation: Dag Ströman, Head of CSEC , CSEC

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1 Introduction

This report is intended to demonstrate that the file encryption application Tutus Filkrypto, release 1.0.2, previously evaluated against the Common Criteria under the CCRA framework, also fulfils the requirements for Common Criteria certification under the EA/MLA framework.

The scope of the previous evaluation is defined in the Security Target for Filkrypto [1]. The evaluation assurance level is EAL 3, and the evaluation followed version 2.3 of the Common Criteria and the Common Methodology. The results of the previous evaluation are summarised in a certification report [2]. The ST, the CR and the certificate are available from CSEC's web site: http://www.csec.se.

2 Rationale

2.1 Strategy

The certification of Filkrypto 1.0.2 took place prior to CSEC's accreditation as a certification body under the EA MLA. However, Swedac expresses in [3] (swedish):

"11 § Certifieringar som utförts innan beslut om ackreditering har meddelats kan få

giltighet som certifiering under ackreditering om certifieringsorganet gör en omprövning av certifieringarna med de förutsättningar som gäller för ackreditering. Sådan omprövning skall dokumenteras."

This implies that it is possible issue a certificate for Filkrypto 1.0.2 under the EA MLA, based on the previous evaluation, provided that it can be demonstrated that the previous evaluation and certification is compliant to the version of the procedures, assessed during accreditation, and that it can be demonstrated that the evaluation and the certification results are fully compliant to a version of the evaluation standard, valid within the scope of the accreditation, and referred to in the EA MLA certificate.

Regarding the evaluation standard, this compliance is trivial, because the version used in the previous evaluation is still valid, and is the same as the version referred to in the EA MLA certificate, i.e. the Common Criteria and the Common Methodology v2.3. This implies that the technical basis for certification is still valid.

To demonstrate compliance to the version of the certification process, assessed during accreditation, the changes to CSEC's quality management system (QMS), since the date of the decision to issue the previous certificate need to be tracked and examined.

2.2 Timeline

The TERMINATE decision for the previous certification of Filkrypto was made on 2008-12-14 and the certificate was signed on 2008-02-25. Thus, QMS version 1.6 was the authorised version when the decision was made to issue the certificate.

CSEC became accredited by Swedac on 2008-05-14. The authorised version of the QMS at this time was version 1.7, which was authorised on 2008-02-25 (VDD authorisation date).

To verify that the previous evaluation and certification complies to the accredited procedures, the changes from QMS 1.6 to 1.7 need to be considered.

In addition, the changes from QMS 1.7 to 1.8 (which is the current version) will be assessed.

2.3   Impact of Changes

All changes to the CSEC QMS, relative to the previous version, are tracked in the release notes issued along with each new version of the QMS. The changes relevant in the current context will be listed in the release notes for QMS 1.7 [6] and 1.8 [7].

For most changes, it is obvious that they do not have any relevance for re-issuing certificates. Therefore the following categories of changes are not discussed further:

– Formal and layout changes
– Rules for when to use which languages in which documents
– Template changes - copyright statements, layout changes, send list
– Replacement VG CSEC -> CSEC
– Corrected headlines or spelling
– Auto generation of "table of contents"

The remaining changes in [6] and [7] fall into the following categories, followed by comments:

1. Removed references to Technical Interpretations Committee

   Interpretations still will be dealt with by the same product managers

   within the scope of CCB meetings - no impact on certification work

2. Clarifications regarding EA MLA mutual recognition

   Not a procedure update - no impact on certification work

3. New STAFS documents from Swedac

   Reference update only - no impact on certification work

4. Removed statement about cooperation with Swedac

   Current text reflects how the ITSEF licensing has been done

5. Document SP-005 removed

   Integrated in SP-007 - no impact on certification work

6. New ordnance and appropriation directions for FMV

   Reference update only - no impact on certification work

7. Use of accreditation mark

   Current procedure will be followed, no impact on previous work

8. Changed "author" and "responsible" metadata in the CMS system

   Only reflections of individual role assignments within CSEC

9. Additions to "essential reading" in the certifier education plan

   No direct impact on certification work

10. Role changes

   Affects work assignment but no impact on actual certification work

11. Added info about information classification

No procedure change - only improved guidance

12. Added customer satisfaction surveys

Updated procedure followed in the current certification

13. Removed Template for ITSEF License withdrawal/suspension

No impact on the current certification

14. Removed template for Evaluator Status withdrawal

No impact on the current certification

15. New guidance regarding document numbering

No impact on certification results

16. Updated style rules for document writing

No impact on the actual results of certifications

17. Explicit name of FMV Security Manager removed

No impact on certification work

18. Password policy extended to crypto-PC

Not relevant to the current certification

19. Updated requirements on agreements between sponsor-developer and sponsor-IFSEF

Updated procedures followed in the current certification

20. New requirements on evaluator competence declarations

No direct impact on certification

21. Updated requirements on presentation of evaluator impartiality and independence declaration

Updated procedures followed in the current certification

22. Removed documents - CB-014, CB-142

CB-014 redundant, CB-142 not needed

23. Updated quality policy

No impact on the current certification

24. Updated references

No impact on the current certification

25. Updates to the sponsor contract template (regarding CSEC's accreditation status, shadowing)   No impact on certification work, only information to the sponsor

26. Major updates to checklists (CB-009, CB-011, CB-014, CB-077) within the certification process

Updated procedures followed within the current certification

27. Document updates to allow CC v3.1

No impact on the current certification

28. Updated formal procedure for Technical Manager's involvement in certifications

No change in how things are done

29. Draft certificate sent to sponsor for review before authorisation

> Updated procedure followed in the current certification

30. Peer review added to the formal certification procedure

> Updated procedure followed in the current certification

31. Added QM oversight to the early phases of the certification process

> Efficiency related - no impact on end results

32. Removed formal intermediate decision "ready for conclusion phase" in the certification process

> Artificial decision point with no impact on end results

33. Create document procedure integrated into CB-173

> No impact on certification results

34. Changes to information send lists regarding interpretations

> No impact on the current certification - the certifiers were part of the process to make interpretations (i.e. Scheme Notes)

35. Added detailed procedures for publishing of certificates and other documents

> No impact on certification results

36. Updates to the CCB procedures and meeting intervals

> CCB is not directly involved in certifications - no direct impact

37. Review procedures updated to better support our actual needs

> Updated procedure followed in the current certification

2.4   Conclusion

All of the most relevant procedure changes, with direct impact on certification work, were made due to change requests originating from the certifications of Färist 2.5.2 and Filkrypto 1.0.2, and were actually applied in both certifications.

Based on the analysis above, it is concluded that neither of the changes had any relevant negative impact on the fulfilment of the certification related to the EA MLA. The updated procedures where applied during the certification. Thus the results of the previous certification forms a valid ground for re-issuing the certificaties within the recognition scope of EA MLA.

3   References

[1]   Security Target Filkrypto, Release 1.0.2, Tutus Data AB, 2007-
10-01,   document version 1.3.1

[2]   Certification Report - Filkrypto 1.0, CSEC, 2007-10-05,

        document version 1.0, FMV ID: 25550:38 451/2007

[3]   Styrelsen för ackreditering och teknisk kontroll författningssam-
ling,

        Swedac, 2007-05-10, STAFS 2007:12

[4]   SP-002 Evaluation and Certification, CSEC, 2008-10-20, docu-
ment

        version 11.0, FMV ID 25550:558/2005

[5]   CB-111 Certification Management, CSEC, 2008-10-17, docu-
ment

        version 10.0, FMV ID: 25550:73 298/2005

[6]   Release Notes for QMS 1.7, CSEC, 2008-02-25, document ver-
sion 1.0,

        FMV ID 25550:6 979/2008

[7]   Release Notes for QMS 1.8, CSEC, 2008-10-28, document ver-
sion 1.0,

        FMV ID 25550:38 073/2008

[8]   Common Criteria for Information Technology Security Evalua-
tion,

        Version 2.3, Parts 1, 2, and 3, CCMB-2005-08-001-3

[9]   Common Methodology for Information Technology Security

        Evaluations, version 2.3, CCMB-2005-08-004