KECS-ISIS-0118a-2008

# KCOS e-Passport Version 1.0

KOMSCO

**Certificate Effectiveness Maintenance Report**

**Certification No : KECS-ISIS-0118-2008**

**June 2010**

IT Security Certification Center

## 1. TOE

KCOS e-Passport Version 1.0

## 2. Date of Application

17 March 2010

## 3. Date of Activity

25 June 2010

## 4. Overview

The change is that Modify non-security functionalities according to security recommendation of chip manufacturer (Infineon Technologies AG). The change to the certified product has no effect on assurance.

Therefore, the assurance as outlined in the Certification Report KECS-ISIS-0118-2008 is maintained for this version of the product.

This report is an addendum to Certification Report KECS-ISIS-0118-2008.

## 5. Changes to TOE

The change is that modify non-security functionalities according to security recommendation of chip manufacturer (Infineon Technologies AG). But the security relevant implementations (source code) for the TOE are not changed. The modification is described in the following table.

| | **Changes** | **Change Reasons** |
|---|---|---|
| **RF Communication** | Change Identification number of the TOE in PUDI | Change the TOE version |
| | Change the slot for Anti-collision in RF from real | Change the TOE referring the recent application note of |

| | | |
|---|---|---|
| | random to pseudo random | Infineon Technologies AG |
| | Protecting IO Buffer Full, the length of the IO Buffer extends from 255 to 256 per an APDU | Change the TOE referring the recent application note of Infineon Technologies AG |
| | When the RF reader sends a "Deselect" command or a "HALT" command, the TOE initializes global variables | Some RF reader uses a "Deselect" command or a "HALT" command to reset the state of RF protocol |
| | Protecting IO Buffer Full, the length of the IO Buffer extends from 255 to 256 per an APDU | Change the TOE referring the recent application note of Infineon Technologies AG |

## 6. Assessment

The vendor for KCOS e-Passport Version 1.0 submitted IAR [2] to IT Security Certification Center for approval. The IAR is intended to satisfy the requirements outlined in the document Assurance Continuity [1]. The IAR includes the following items;

A. The changes made to the certified TOE

B. The evidence updated as a result of the changes and,

C. The security impact of the changes

The vendor modifies non-security functionalities according to security recommendation of chip manufacturer.

The TOE is correctly operated and meets all the SFRs in its security target [3].

## 7. Conclusion

The change is that modify non-security functionalities according to security recommendation of chip manufacturer. There were editorially updated in some evidences. Examination of the evidence indicates that the change performed is limited to the following documents.

- KCOS e-Passport Version 1.0 Security Target V1.7
- KCOS e-Passport Version 1.0 Functional Specification V1.5
- KCOS e-Passport Version 1.0 High Level Design V1.5
- KCOS e-Passport Version 1.0 Low Level Design V1.4
- KCOS e-Passport Version 1.0 Implementation Representation Analysis V1.4
- KCOS e-Passport Version 1.0 Configuration Management V1.6
- KCOS e-Passport Version 1.0 User Guide V1.6
- KCOS e-Passport Version 1.0 Administrator Guide V1.6
- KCOS e-Passport Version 1.0 Misuse Analysis V1.4
- KCOS e-Passport Version 1.0 Security Policy Model V1.3
- KCOS e-Passport Version 1.0 Test V1.2
- KCOS e-Passport Version 1.0 Vulnerability Analysis V1.1

Consideration of the nature of the change leads to the conclusion that it is classified as a minor change and that certificate maintenance is the correct path to continuity of assurance.

Therefore, IT Security Certification Center agrees that the assurance as outlined in the Certification Report [4] is maintained for this version of the product.

## 8. References

[1] Common Criteria document CCIMB-2004-02-2009 “Assurance Continuity: CCRA Requirements”, version 1.0, February 2004

[2] Security Impact Analysis Report, “KCOS e-Passport Version 1.1 S3CC9 LC/GC/GW Security Impact Analysis Report”, version 1.0, May 2010

[3] Security Target Lite of KCOS e-Passport Version 1.1 S3CC9 LC/GC/GW, version 1.0, December 2010

[4] Certification Report, “KCOS e-Passport Version 1.1 S3CC9 LC/GC/GW CR(KECS-ISIS-0222-2010)”, March 2010