



Common Criteria Recognition
Arrangement
for components up to EAL4

Maintenance Report

TÜBİTAK BİLGEM UEKAE

**AKiS ICAO Pasaport v1.4n
EAL 4 + (ALC_DVS.2)**

TSE-CCCS-005-MR-01

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1. Introduction

The IT product identified in this report was assessed according to the Assurance Continuity: CCRA Requirements, version 1.0, February 2004 and the developers Impact Analysis Report (IAR). The baseline for this assessment was the Certification Report, the Security Target and the Evaluation Technical Report of the product certified by the **Turkish Standards Institution** under **TSE-CCCS-005**.

The certified TOE is:

- **AKiS Passport v1.4n**

The changed TOE is:

- **AKiS ICAO Passport v1.4n**

2. Description of Changes

The change in the certified product is due to a **change in the compiler options and the name of the TOE**, a change that has no effect on assurance. The identification of the maintained product is indicated by a new version number compared to the certified product.

The change is not significant from the standpoint of security, however Configuration Management procedures required a change in the version number from **AKiS Passport v1.4n** to **AKiS ICAO Passport v1.4n**.

In the following developer documentation the TOE name is updated:

- Security Target “**AKiS ICAO Passport v1.4n rev7**”, (both public and non-public versions)
- AKiS ICAO Passport v1.4n_Development Environment Security_Development Tools rev2
- AKiS ICAO Passport v1.4n _Configuration Management Plan rev3

Change to the TOE “**AKiS ICAO Passport v1.4n**” is on the compiler option, thus there is no impact on the Hardware because of this compiler option change. In addition, Security Functions supplied by the Software are not impacted by this compiler option.

Change in the compiler option is setting the option “**coloring**”. This compiler option is aimed at accelerating the speed and enhancing the performance by using registers in CPU optimally. The secure areas of confidential data, which are stored in memory are not effected by this change in CPU register use, there is no threat and probability for illegal accessing to confidential data in secure areas.

Developer **does not supply and maintain Security** by using definite registers in CPU or using them with a definite order, that means, usage order of registers does not have any impact on security; therefore, the change in the register use through the change in the compiler option does not make and vulnerability on security and assurance. In addition, the developer has repeated all the functional tests and the test results completely match the previous ones.

3. Affected Developer Evidence

The following developer evidence is impacted by the changes described in the previous section. Following developer documentation of TOE are updated:

- Security Target “**AKiS Passport v1.4n rev6**”, (both public and non-public versions)
- AKiS Passport v1.4n_Development Environment Security_Development Tools rev1
- AKiS Passport v1.4n _Configuration Management Plan rev2

4. Conclusion

The change to the TOE is the change of a compiler option and the name of the TOE, a change that has no effect on assurance. Consideration of the nature of this 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, the assurance as outlined in the Certification Report **TSE-CCCS-005** is maintained for this version of the product by TSE CCCS.

This report **TSE-CCCS-005-MR-01, 22 September 2011** is an addendum to the Certification Report **TSE-CCCS-005, 13 July 2011**.



**PRODUCT CERTIFICATION CENTER
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4. References

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

[2] Impact Analysis Report rev 01, 19.08.2011 of comparison between AKiS Passport v1.4n and AKiS ICAO Passport v1.4n -confidential

[3] Security Target of “AKiS ICAO Passport v1.4n”, rev7, 21.08.2011 -confidential

[4] Security Target Lite of AKiS ICAO Passport v1.4n, 21.08.2011

[5] Certification Report of AKiS Passport v1.4n, 13.07.2011

[6] ETR v2.0 of AKiS Passport v1.4n, 11.07.2011-confidential

[7] Impact Analysis Technical Report rev 01, 19.08.2011 -confidential

[8] Minutes of Technical Meeting-1, 24.08.2011

[9] Minutes of Technical Meeting-2, 26.08.2011

[10] Observation Decision, 05.09.2011 -confidential