HECTOS

Harmonized Evaluation, Certification and Testing Of Security products

# D4.1
# Selected product types, use cases, and validation criteria for biometric case studies

## *EXECUTIVE PUBLISHABLE SUMMARY*

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## Summary

HECTOS is an EU FP7 security research project exploring the issue that there are very few mutually recognised evaluation and certification procedures in Europe for physical security products that are mutually recognized by EU Member States. As pointed out in the EC Communication on Security Industrial Policy, this leads to fragmentation of the market, with negative impacts on both suppliers and users.

HECTOS will identify mechanisms to evaluate the performance of security products, as well as compliance with interoperability, regulatory, ethical, privacy and other requirements. The project will propose elements of a roadmap for the development of new harmonised product certification schemes.

To analyse, develop, enhance, and experimentally validate evaluation and certification schemes, HECTOS is conducting case studies in two priority areas: Biometrics (in Workpackage 4) and Weapons and Explosives Detection (in Workpackage 5).

This report is the first deliverable of the Biometrics Case Study. The report identifies issues for harmonised evaluation and certification for biometric products and selects product types, use cases and performance criteria for the case studies. The selection is made such that the case studies address diverse and topical issues significant for certification of biometrics products, as well as for evaluation and certification of physical security products in general.

The topics selected for the biometric case study address:

1) certification of products against image quality specifications;
2) evaluation and certification of the spoof resistance of biometric systems, and
3) evaluation and certification of biometric products for secure access control.

The case studies will be used to investigate, and provide feedback on many aspects of the evaluation and certification schemes proposed within HECTOS.


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