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10381

NSCIB-PP-08-10381

Certification Report

Beveilingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.3, 1 februari 2010

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TNO CERTIFICATION

TNO CERTIFICATION
HEREBY DECLARES THAT EVALUATION
HAS DEMONSTRATED THAT THE PRODUCT

Beveiligingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.3,
9 februari 2010, Assurance Package: EAL3

Product and version

FROM

Inspectie Verkeer en Waterstaat
located in Den Haag, Netherlands

Sponsor's name and address

COMPLIES WITH THE

Common Criteria for Information Technology Security
Evaluation (CC), Version 3.1 Revision 3

Certification guidelines or standards

AS DEMONSTRATED BY / EVALUATION PERFORMED BY

BrightSight BV located in Delft, Netherlands

Testing Laboratory

APPLYING THE

Common Methodology for Information Technology
Security Evaluation (CEM), Version 3.1 Revision 3



NSCIB-PP-08-10381-CR2

Certification Report number

THE CERTIFICATE HAS BEEN ISSUED ON

December 5, 2008

1st Issue Date

February 15, 2010

Revision Date

February 15, 2015

Expiry Date

ISSUED IN: Apeldoorn, Netherlands

A handwritten signature in blue ink, appearing to be 'J. J. J.', over a horizontal line.

DIRECTOR TNO CERTIFICATION



The protection profile identified in this certificate has been evaluated at an accredited and licensed/approved evaluation facility using the Common Methodology for IT Security Evaluation version 3.1 Revision 3 for conformance to the Common Criteria for IT Security Evaluation version 3.1 Revision 3. This certificate applies only to the specific version of the protection profile listed in this certificate and in conjunction with the complete Certification report. The evaluation has been conducted in accordance with the provisions of the Netherlands Scheme for Certification in the area of IT security (NSCIB) and the conclusions of the evaluation facility in the evaluation technical report are consistent with the evidence adduced. This certificate is not an endorsement of the protection profile by TNO Certification or by any other organisation that recognises or gives effect to this certificate, and no warranty of the profile by TNO Certification or by any other organisation that recognises or gives effect to this certificate, is either expressed or implied.

CERTIFICATE NUMBER C08-10381

ACCREDITED BY THE COUNCIL FOR ACCREDITATION



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Document Information

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Sponsor	Inspectie Verkeer en Waterstaat
Evaluation Lab	Brightsight BV
TOE name	Beveilingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.3, 1 februari 2010
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Report reference name	NSCIB- PP-08-10381-CR2



Foreword

The Netherlands Scheme for Certification in the Area of IT Security (NSCIB) provides a third-party evaluation and certification service for determining the trustworthiness of Information Technology (IT) security products. Under this NSCIB, TNO Certification has the task of issuing certificates for IT security products as well as protection profiles.

The Netherlands Scheme for Certification in the Area of IT Security (NSCIB) is compliant with the requirements of both the international Common Criteria Recognition Arrangement (CCRA) and the European SOG-IS Mutual Recognition Agreement (SOG-IS).

A part of the certification procedure is the technical examination (evaluation) of the product or protection profile according to the Common Criteria assessment guidelines published by the NSCIB. Evaluations in the Netherlands are performed by an IT Security Evaluation Facility (ITSEF) under the oversight of the NSCIB Certification Body, which is operated by TNO Certification in cooperation with the Ministry of the Interior and Kingdom Relations.

An ITSEF in the Netherlands is a commercial facility that has been licensed by TNO Certification to perform Common Criteria evaluations; a significant requirement for such a license is accreditation to the requirements of ISO Standard 17025, General requirements for the accreditation of calibration and testing laboratories.

By awarding a Common Criteria certificate, TNO Certification asserts that the protection profile complies with the requirements for protection profile (PP) evaluation specified in the Common Criteria for Information Security Evaluation. A protection profile is an implementation-independent set of security requirements for a category of IT that meets specific consumer needs. The objective of a protection profile evaluation is to ensure that the protection profile is complete, consistent, technically sound and, therefore, suitable for use as the basis of security requirements for the relevant category of IT.

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Recognition of the certificate

The Common Criteria Recognition Arrangement and SOG-IS logos are printed on the certificate to indicate that this certificate is issued in accordance with the provisions of the CCRA and the SOG-IS agreement

The CCRA has been signed by the Netherlands in May 2000 and provides mutual recognition of certificates based on the CC evaluation assurance levels up to and including EAL4. The current list of signatory nations and approved certification schemes can be found on: <http://www.commoncriteriaportal.org>.

The European Recognition Agreement approved by the SOG-IS in April 1999 provides mutual recognition of ITSEC and Common Criteria certificates for all evaluation levels (E6, resp. EAL7). This agreement was originally signed by Finland, France, Germany, Greece, Italy, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.



1 Executive Summary

1.1 Introduction

This certification report is a “delta” with respect to the original evaluation of the “Beveilingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.0, 13 oktober 2008”. The change to the certified protection profile is at the level of small changes/additions to the scope and functionality of the defined TOE. The identification of the updated protection profile is indicated by a new version number compared to the original protection profile as Configuration Management procedures required a change in the version number from v1.0 into v1.3.

This certification Report states the outcome of the Common Criteria security evaluation of the Beveilingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.3, 1 februari 2010 [PP]. It is intended to assist prospective consumers when judging the suitability of the Protection Profile for their particular requirements.

1.2 Evaluation and Certification Details

The Beveilingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.3, 1 februari 2010 is developed by the Dutch Transport and Water Management Inspectorate (Inspectie Verkeer en Waterstaat) which is part of the Dutch Ministry of Transport, Public Works and Water Management (Ministerie van Verkeer en Waterstaat) and they also act as the sponsor of the evaluation and certification.

The original protection profile has been evaluated by Brightsight B.V. located in Delft, The Netherlands and was completed on 17 October 2008. The certification procedure has been conducted in accordance with the provisions of the Netherlands Scheme for Certification in the Area of IT Security [NSCIB]. The certification was completed on 2 December 2008 with the preparation of the Certification Report.

The re-assessment of the updated protection profile took place in January 2010.

The results documented in the evaluation technical report [ETR]¹ for this protection profile provide sufficient evidence that it meets the requirements for protection profile (PP) evaluations specified in the Common Criteria for Information Security Evaluation. The evaluation was conducted using the Common Methodology for Information Technology Security Evaluation, Version 3.1 Revision 3 [CEM], for conformance to the Common Criteria for Information Technology Security Evaluation, version 3.1 Revision 3 [CC].

TNO Certification, as the NSCIB Certification Body, declares that the evaluation of the Beveilingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.3, 1 februari 2010 meets all the conditions for international recognition of Common Criteria Certificates and that the protection profile will be listed on the NSCIB Certified Products list. It should be noted that the certification results only apply to the specific version of the protection profile as evaluated.

¹ The Evaluation Technical Report contains information proprietary to the developer and/or the evaluator, and is not releasable for public review.



1.3 Protection Profile Identification

Title:	Beveilingsprofiel Boordcomputer Taxi (PP-BCT)
PP Version:	1.3, 1 februari 2010
CC Version:	3.1 Revision 3 (July 2009)
CC Conformance Claim:	Part 2 conformant, Part 3 conformant, EAL 3
Required conformance:	Conformance claims to this protection profile requires strict conformance



2 Certification Results

2.1 Protection Profile Overview

This Protection Profile “Beveilingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.3, 1 februari 2010” is developed by the Dutch Transport and Water Management Inspectorate (Inspectie Verkeer en Waterstaat) as a basis for the development of Security Targets in order to perform a certification of an IT-product (TOE).

The “Boordcomputer Taxi” (BCT) is a control device intended for installation in cars that are use for taxi transportation. Its purpose is to aid enforcement processes by electronic registration of the ride administration and the working, drive and rest times and to make this information available on request to authorized persons for verification.

The TOE has four modes of operation: operational mode, control mode, activation/inspection mode and working mode. The operational mode has three operating levels: basic, working time and taxi transport. When taxi transport is being offered or working time takes place the driver selects the corresponding operating level. In the operational mode, operating level working time or taxi transport, data is registered on the performed taxi rides and the working, drive and rest times of the driver. The start and end of a ride is made known to the TOE by an active operating action by the driver. In addition the loading condition (loaded/unloaded) shall be indicated.

Furthermore the TOE takes care of providing the basic data time and travelled distance, and the position of the vehicle in all modes. In the operating level basic the registration of events is also maintained. The operating level basic is a distinct operating level in the operational mode. In the other modes the TOE integrates the basic functionality with the other functionality of the concerned mode.

The assets to be protected by a TOE claiming conformance to this PP are defined in the Protection Profile [PP], article 3.3.3. Based on these assets the security problem is defined in terms of Security Policies and Assumptions. This is outlined in the Protection Profile [PP], article 4.

These Security Policies and Assumptions are split into Security Objectives to be fulfilled by a TOE claiming conformance to this PP and Security Objectives to be fulfilled by the Environment of a TOE claiming conformance to this PP.

2.2 Security Functional Requirements

Based on the Security Objectives to be fulfilled by a TOE claiming conformance to this PP the security policy is expressed by the set of Security Functional Requirements to be implemented by a TOE. The security functional requirements are divided in a number of functional groups. Every group contains one or more mutually coherent requirements. These groups are:

- Ø Security roles: These define the different roles and modes of the TOE, and how these roles are adopted.
- Ø Identification an Authentication: These define how BCT-cards and other peripherals are identified and where necessary authenticated.
- Ø BCT-access policy: Here it is defined what needs to be recorded, and who is allowed to do what with it.
- Ø Signatures: Here it is defined how signatures are being requested from the System card and BCT-card.
- Ø Security audit: Here it is defined which system events are recorded and how these are protected.



- Ø Protection of the BCT: Here it is defined how the physical protection of the BCT functions and how the integrity is guaranteed.

The TOE Security Functional Requirements (SFR) are outlined in the [PP], article 6. They are all selected from Common Criteria Part 2. Thus the SFR claim is called: **Common Criteria Part 2 conformant**.

2.3 Assurance Requirements

The TOE security assurance requirements claimed in the Protection Profile are based entirely on the assurance components defined in part 3 of the Common Criteria for the Evaluation Assurance Level 3 package. Thus the SAR claim is called: **Common Criteria Part 3 conformant, EAL 3 conformant**.

(for the definition and scope of assurance packages according to CC see [CC], part 3 for details).

2.4 Results of the PP-Evaluation

The evaluation lab determined that the claims as made in the Protection Profile “Beveilingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.3, 1 februari 2010” are in conformance with the requirements for Protection Profiles as specified in class APE of the CC.

The evaluation lab has performed all APE work units in accordance with the APE section of the CEM and recorded its findings in an Evaluation Technical Report [ETR]².

2.5 Evaluator Comments/Recommendations

There are no specific Evaluator Comments or Recommendations.

² The Evaluation Technical Report contains information proprietary to the developer and/or the evaluator, and is not releasable for public review.



3 Protection Profile

The Protection Profile “Beveilingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.3, 1 februari 2010” is included here by reference.

4 Definitions

This list of Acronyms and the glossary of terms contains elements that are not already defined by the CC or CEM:

BCT	Boordcomputer Taxi.
CC	Common Criteria
ITSEF	IT Security Evaluation Facility
NSCIB	Nederlands Schema voor Certificatie op het gebied van IT-Beveiliging
PP	Protection Profile
TNO	Netherlands Organization for Applied Scientific Research
TOE	Target of Evaluation

5 Bibliography

This section lists all referenced documentation used as source material in the compilation of this report:

- [CC] Common Criteria for Information Technology Security Evaluation, Parts I, II and III, version 3.1 Revision 3, July 2009
- [CEM] Common Methodology for Information Technology Security Evaluation, version 3.1 Revision 3, July 2009.
- [ETR] Evaluation Technical Report, Boordcomputer Taxi Platform Protection Profile version 4.0, 5 February 2010 (08-RPT-270 v4.0 ETR-PP-BCT).
- [NSCIB] Netherlands Scheme for Certification in the Area of IT Security / Nederlands schema voor certificatie op het gebied van IT-beveiliging, Version 1.2, 9 December 2004.
- [PP] Protection Profile “Beveilingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.3, 1 februari 2010”

