

# TNO CERTIFICATION

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NSCIB-PP-08-10381-CR

Subject

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## NSCIB-PP-08-10381

### Certification Report

Beveilingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.0, 13 oktober 2008

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# TNO CERTIFICATION

TNO CERTIFICATION  
HEREBY DECLARES THAT EVALUATION  
HAS DEMONSTRATED THAT THE PRODUCT

Beveiligingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.0,  
13 oktober 2008, 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 2

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 2



NSCIB-PP-08-10381-CR

Certification Report number

THE CERTIFICATE HAS BEEN ISSUED ON

December 5, 2008

Date

December 5, 2013

Expiry Date

ISSUED IN: Apeldoorn, Netherlands

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 2 for conformance to the Common Criteria for IT Security Evaluation version 3.1 Revision 2. 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



## Table of contents

Table of contents .....	3
Document Information .....	3
Foreword.....	4
1 Executive Summary.....	5
1.1 Introduction .....	5
1.2 Evaluation and Certification Details .....	5
1.3 Protection Profile Identification.....	5
2 Certification Results.....	6
2.1 Protection Profile Overview .....	6
2.2 Security Functional Requirements .....	6
2.3 Assurance Requirements .....	7
2.4 Results of the PP-Evaluation.....	7
2.5 Evaluator Comments/Recommendations.....	7
3 Protection Profile .....	8
4 Definitions .....	8
5 Bibliography .....	8

## Document Information

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Evaluation Lab	Brightsight BV
TOE name	Beveilingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.0, 13 oktober 2008
TOE reference name	PP BCT
Report title	Certification Report
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## 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.

A part of the procedure is the technical examination (evaluation) of the product or protection profile according to the Common Criteria assessment guidelines published by the NSCIB. Evaluations 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 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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# 1 Executive Summary

## 1.1 Introduction

This certification Report states the outcome of the Common Criteria security evaluation of the Beveiligingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.0, 13 oktober 2008 [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 Beveiligingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.0, 13 oktober 2008 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 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 this Certification Report.

The results documented in the evaluation technical report [ETR]<sup>1</sup> 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 2 [CEM], for conformance to the Common Criteria for Information Technology Security Evaluation, version 3.1 Revision 2 [CC].

TNO Certification, as the NSCIB Certification Body, declares that the Beveiligingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.0, 13 oktober 2008 evaluation meets all the conditions of the Arrangement on the 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.

## 1.3 Protection Profile Identification

Title:	Beveiligingsprofiel Boordcomputer Taxi (PP-BCT)
PP Version:	1.0, 13 oktober 2008
CC Version:	3.1 Revision 2 (September 2007)
CC Conformance Claim:	Part 2 conformant, Part 3 conformant, EAL 3
Required conformance:	Conformance claims to this protection profile requires <b>strict</b> conformance

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





## 2 Certification Results

### 2.1 Protection Profile Overview

This Protection Profile “Beveilingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.0, 13 oktober 2008” 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:

- ∅ Security roles: These define the different roles and modes of the TOE, and how these roles are adopted.
- ∅ Identification an Authentication: These define how BCT-cards and other peripherals are identified and where necessary authenticated.
- ∅ BCT-access policy: Here it is defined what needs to be recorded, and who is allowed to do what with it.
- ∅ Signatures: Here it is defined how signatures are being requested from the System card and BCT-card.
- ∅ 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 1.0, 13 oktober 2008” 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]<sup>2</sup>.

### **2.5 Evaluator Comments/Recommendations**

There are no specific Evaluator Comments or Recommendations.

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<sup>2</sup> 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 “Beveiligingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.0, 13 oktober 2008” 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 2, September 2007
- [CEM] Common Methodology for Information Technology Security Evaluation, version 3.1 Revision 2, September 2007.
- [ETR] Evaluation Technical Report, Boordcomputer Taxi Platform Protection Profile version 1.0, 17 October 2008 (08-RPT-270 v1.0 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 “Beveiligingsprofiel Boordcomputer Taxi (PP-BCT) versie 1.0, 13 oktober 2008”

