The certification body of TÜV Informationstechnik GmbH hereby awards this certificate to the company

Innovative Applications SA
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to confirm that its Smartphone Application

SafeBeep for Android, version 1.2
and SafeBeep for iOS, version 1.1

fulfils all requirements of the standard

ISO/IEC 25051:2014.

The requirements are summarized in the appendix to this certificate.

The appendix is part of the certificate and consists of 6 pages.

The certificate is valid only in conjunction with the evaluation report.

ISO/IEC 25051

2016 Trusted Product

TÜViT®

18 Certificate valid until 2018-02-28

Certificate ID: 6131.16

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Essen, 2016-02-24

Dr. Christoph Sutter
Head of Certification Body

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Zertifikat

Certification System

The certification body of TÜV Informationstechnik GmbH performs its certification on the basis of the following product certification system:

- German document: "Zertifizierungsprogramm (nicht akkreditierter Bereich) der Zertifizierungsstelle der TÜV Informationstechnik GmbH", Version 1.0 vom 24.08.2015, TÜV Informationstechnik GmbH

Evaluation Report

- "Evaluation of the Smartphone Application SafeBeep according to ISO/IEC 25051:2014 - Evaluation Report", version 1.2 as of 2016-02-19, Evaluation Body IT Usability, TÜV Informationstechnik GmbH

Evaluation Requirements

- ISO/IEC 25051: "Software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Requirements for quality of Ready to Use Software Product (RUSP) and instructions for testing" (2014)

- Product-specific requirements (see below)

The evaluation requirements are summarized at the end of this appendix.

Evaluation Target

Target of evaluation is the Smartphone Application in the following versions:

- SafeBeep for Android, version 1.2 as of 2016-01-15,

- SafeBeep for iOS, version 1.1 as of 2016-01-15,

the corresponding product description:

SafeBeep Product description, version 1.2 as of 2016-02-17, Innovative Applications SA,

and the user documentation required for the operation:

SafeBeep User Guide, version 4 as of 2016-01-15, Innovative Applications SA.

The software product SafeBeep implements alerting functions on a smartphone for a group of users (e. g. a family, a team). The following functions of the product description were tested:

- Car accident, body fall, safety perimeter breach, secret emergency alarm, emergency alarm and speed limit violation.

The following functions of the product description were not tested and are not in the certification scope:

- Auto call back, member tracking, check-in, chat.

Evaluation Result

- The evaluation target consisting of product, product description and user documentation fulfils the requirements of the standard ISO/IEC 25051:2014.

- The product-specific requirements are fulfilled.

Summary of the product-specific requirements

The following product specific requirements are defined in the product description, are basis of the certification and have been checked:

1   Product Quality - Functional Suitability

SafeBeep works as an alerting tool as described in the product description and in the user documentation for the tested functions listed above.

2 Product Quality - Performance Efficiency

SafeBeep transmits alerts efficiently from the alerting phone to all configured members of the group of users. The Smartphone Application uses the smartphone battery in an efficient way.

3 Product Quality - Compatibility

SafeBeep works on manufacturer configured devices which are listed in the product description. The smartphone operating systems Android and iOS make sure that the software can only be installed on compatible devices.

4 Product Quality - Usability

SafeBeep is easy to install and easy to use for users who are familiar with the operating systems Android or iOS.

5 Product Quality - Reliability

SafeBeep reliably issues alerts when used as described in the user documentation.

6 Product Quality - Security

SafeBeep prevents unauthorized use and data access with a login / password functionality based on the security functions of the operation systems. The security functionality is described in the product description and in the user documentation.

7 Product Quality - Maintainability

SafeBeep is maintained by Innovative Applications SA. Updates are installed automatically on the users' smartphones.

8   Product Quality - Portability

SafeBeep is not intended to be used on other platforms than the ones described in the product description. There is an installation procedure for each of the two platforms.

9   Quality in use - Effectiveness

The product description explains how the product can be used effectively to supervise the potential alerts of the configured members of a group of users.

10   Quality in use - Efficiency

The product description lists the requirements for the product to function efficiently, e. g. required operating system and smartphone model, required network coverage. The product test confirmed that the product works efficiently when these requirements are fulfilled.

11   Quality in use - Satisfaction

The product description contains the supplier contact info for error reports or suggestions for improvement. After installation, the user is prompted in the app store to comment on his satisfaction with the product. The software provider processes this feedback swiftly.

12   Quality in use - Freedom from risk

The product description describes risks the user may incur when using the Smartphone Application (e. g. financial, physical risks). It describes how the user can mitigate the risks.

13   Quality in use - Context coverage

The product description describes the use of the product for alerting groups of users. There is no particular other context of use mentioned for the product.

Summary of the Evaluation Requirements

The standard ISO/IEC 25051:2014 contains the following requirements:

1 Requirements for the product description (clause 5.1)

The product description is available for potential acquirers and users and contains information about the product properties. It is free from inconsistencies and contains testable / verifiable statements. It contains information for product identification and hints and makes statements on Product Quality and Quality in use.

2 Requirements for the user documentation (clause 5.2)

The user documentation is comprehensive, correct, consistent and understandable, contains necessary information on how to use the software and is operable.

3 Requirements for the quality of the software (clause 5.3)

The quality of the software complies with the statements of the product description and user documentation in terms of Product Quality and Quality in use.

4 General requirements for test documentation (clause 6.1)

The test documentation demonstrates that the requirements on the quality of the software (clause 5.3) are fulfilled. It is free of inconsistencies, contains a test plan, a test description and test results.

5 Requirements of the test plan (clause 6.2)

The test plan contains at least one test case for each quality characteristics of the product description, for each requirement on the quality of the software (clause 5.3), and for each function described in the user documentation. The test

cases demonstrate the conformity of the software to the statements in the user documentation. Furthermore, the test plan contains test cases for all installation procedures and operational limits. The criteria used to decide if the test results demonstrate the conformity of the software to the product description and user description are indicated. The test environment and time schedule are described in the test plan.

6   Requirements for the testing description (clause 6.3)

For each test case, the testing description includes the test objective, a unique identifier, the input data and test boundaries, the detailed test steps to perform, expected results, criteria for result interpretation as well as criteria to decide whether the test result is positive or negative.

The test procedures include the following points: preparation, action necessary steps to carry out and record the test results as well as the conditions and actions to stop and eventually restart the tests. They are sufficiently detailed to provide for repeatability and reproducibility of the tests. Following correction, a procedure for re-test of the affected functions exists.

7   Requirements for the test results (clause 6.4)

The summary of the test results is recorded in an execution report. It demonstrates that all test cases have been executed according to the test plan. The summary of the anomalies are listed in the anomaly report. Any anomaly is described and it is explained how this was corrected. The assessment of the execution report and anomaly report demonstrates that all expected behaviours were obtained within the specified limits.