



**Fraunhofer** Institut  
Sichere Informations-  
Technologie

# Certificate

IT Security Testlab

## BlackBerry Enterprise Solution for Microsoft Exchange

The IT Security Testlab of Fraunhofer Institute for Secure Information Technology (SIT) certifies that the BlackBerry Enterprise Solution for Microsoft Exchange by

Research in Motion Limited, 295 Phillip Street, Waterloo, Ontario, Canada N2L 3W8

has passed the security analysis. The certificate is based on the functionality, configuration and installation limitations described in the certification report 06-104302 available at: <http://www.sit.fraunhofer.de/testlab/certificates>

Fraunhofer SIT performed an advanced, applied black box test on the BlackBerry Enterprise Solution with the goal to evaluate the provided protection for security relevant environments against well-accepted principles of the IT security community. Detailed hand-on tests have been conducted on communication, server and smartphone of the BlackBerry Enterprise Solution. Fraunhofer SIT testifies the compliance to state-of-the-art security, provided the suggested configuration of the solution is used.

### Security analysis short summary:

The recommended AES-256 implementation is compliant to the standard, which provides high security encryption. Based on approved key establishment and key exchange protocols the confidentiality and integrity of pushed content is provided and can not be eavesdropped on by any party inside the communication channel. Further the described configuration also offers state-of-the-art protection of the BlackBerry smartphone against software level attacks. The BlackBerry communication provides end-to-end security for the evaluated interactions and services between BlackBerry smartphones and BlackBerry Enterprise Server.

For the complete evaluation result and the residual risks on server side please refer to the certification report 06-104302 which is part of the certificate.

Certificate no.: 06-104302  
Certificate validity: until December 2010

Certified Versions: BlackBerry Enterprise Server v4.1.6 (bundle 60) and BlackBerry Pearl™ 8110 smartphone (EDGE), Firmware: v4.3.0.104 (Platform 2.6.0.59) and Cryptographic Kernel: v3.8.5.11c

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|------------------|---|
| Product:         | BlackBerry Enterprise Solution for Microsoft Exchange |
| Version no.:     | Enterprise Server 4.1.6<br>Pearl™ 8110 v4.3.0.104     |
| Date:            | 2008-11-24  |
| Certificate no.: | 06-104302   |

The certified versions are compliant with the protection goals considering the functionality of the initially deployed versions stated in the certification report.

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