

2009

Security Analysis of the German Healthcare Telematics

Ali Sunyaev

Technische Universität München

Martin Reeber

Technische Universität München

Jan Marco Leimeister

Universität Kassel

Helmut Krcmar

Technische Universität München, krcmar@in.tum.de

Follow this and additional works at: <http://aisel.aisnet.org/amcis2009>

Recommended Citation

Sunyaev, Ali; Reeber, Martin; Leimeister, Jan Marco; and Krcmar, Helmut, "Security Analysis of the German Healthcare Telematics" (2009). *AMCIS 2009 Proceedings*. 232.

<http://aisel.aisnet.org/amcis2009/232>

This material is brought to you by the Americas Conference on Information Systems (AMCIS) at AIS Electronic Library (AISeL). It has been accepted for inclusion in AMCIS 2009 Proceedings by an authorized administrator of AIS Electronic Library (AISeL). For more information, please contact elibrary@aisnet.org.

Security Analysis of the German Healthcare Telematics

Ali Sunyaev¹, Martin Reeber², Jan Marco Leimeister^{3, 4}, Helmut Krcmar⁴

1. Chair of Information Systems, Department of Informatics, Technische Universität München, Munich, Bavaria, Germany. 2. Information Systems, Department of Informatics, Technische Universität München, Munich, Germany. 3. Information Systems, Universitaet Kassel, Kassel, Germany. 4. Information Systems, Technische Universitaet Muenchen, , Germany.

Abstract:

The objective of this paper is an analysis of security issues of the forthcoming German healthcare telematics infrastructure. The current analysis reevaluates results from a former security analysis conducted in 2007/08 and introduces new results based on the updated specification documents of the German healthcare telematics. As a result, basics for further security analysis activities are given and corresponding security measures to overcome the identified vulnerabilities are derived. Due to the transferability of the healthcare telematics security concept, which is currently applied in Germany, the achieved results might be helpful for worldwide healthcare telematics projects in the future.