Security Architectures for Next Generation Networks

By Amir Ahmed Omer Yousif

GRIN Verlag Gmbh Mrz 2015, 2015. Taschenbuch. Book Condition: Neu. 210x148x1 mm. This item is printed on demand - Print on Demand Titel. Neuware - Scientific Essay from the year 2014 in the subject Computer Science - IT-Security, , language: English, abstract: This paper gives practical guidance on the provision of security measures for proper operation of next generation networks (NGNs) and protection of the users' proper use of the telecommunications services. It should be observed by all the operators, which operate NGNs (facility based operators) or provide services with the use of (NGN) provided by others (service based operators). In addition to the security measures, the operators should follow the triggering criteria and reporting procedures set out in this document for reporting security violations. Also in this paper we concern about different security vulnerabilities found in existing system and gives possible solutions to eliminate them. These vulnerabilities are the possibilities to forge key messages, unauthenticated messages and Man In the Middle attack. We proposed a secure key generation process, random number and function generation process to eliminate these vulnerabilities. 16 pp. Englisch.

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