



Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series)

Mohamed Slim Ben Mahmoud, Nicolas Larrieu, Aliaian Pirovano

Download now

[Click here](#) if your download doesn't start automatically

Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series)

Mohamed Slim Ben Mahmoud, Nicolas Larrieu, Alain Pirovano

Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) Mohamed Slim Ben Mahmoud, Nicolas Larrieu, Alain Pirovano

The focus of this book is risk assessment methodologies for network architecture design. The main goal is to present and illustrate an innovative risk propagation-based quantitative assessment tool. This original approach aims to help network designers and security administrators to design and build more robust and secure network topologies. As an implementation case study, the authors consider an aeronautical network based on AeroMACS (Aeronautical Mobile Airport Communications System) technology. AeroMACS has been identified as the wireless access network for airport surface communications that will soon be deployed in European and American airports mainly for communications between aircraft and airlines. It is based on the IEEE 802.16-2009 standard, also known as WiMAX.

The book begins with an introduction to the information system security risk management process, before moving on to present the different risk management methodologies that can be currently used (quantitative and qualitative). In the third part of the book, the authors' original quantitative network risk assessment model based on risk propagation is introduced. Finally, a network case study of the future airport AeroMACS system is presented. This example illustrates how the authors' quantitative risk assessment proposal can provide help to network security designers for the decision-making process and how the security of the entire network may thus be improved.

Contents

Part 1. Network Security Risk Assessment

1. Introduction to Information System Security Risk Management Process.
2. System Security Risk Management Background.
3. A Quantitative Network Risk Management Methodology Based on Risk Propagation.

Part 2. Application to Airport Communication Network Design

4. The AeroMACS Communication System in the SESAR Project.
5. Aeronautical Network Case Study.

About the Authors

Mohamed Slim Ben Mahmoud is a research engineer for the research group ResCo at the TELECOM laboratory of ENAC, the French national institution for civil aviation.

Nicolas Larrieu is a teacher and researcher at the research group ResCo at the TELECOM laboratory of ENAC.

Alain Pirovano is a teacher and researcher and head of the research group ResCo at the TELECOM laboratory of ENAC.

 [Download Risk Propagation Assessment for Network Security: ...pdf](#)

 [Read Online Risk Propagation Assessment for Network Security ...pdf](#)

Download and Read Free Online Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) Mohamed Slim Ben Mahmoud, Nicolas Larrieu, Aliaian Pirovano

From reader reviews:

Katrina Frey:

Book is to be different for every grade. Book for children until finally adult are different content. As it is known to us that book is very important normally. The book Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) seemed to be making you to know about other understanding and of course you can take more information. It is very advantages for you. The guide Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) is not only giving you more new information but also for being your friend when you feel bored. You can spend your own personal spend time to read your guide. Try to make relationship with the book Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series). You never truly feel lose out for everything in the event you read some books.

William Medellin:

Here thing why this Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) are different and trustworthy to be yours. First of all reading a book is good but it depends in the content of computer which is the content is as delightful as food or not. Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) giving you information deeper since different ways, you can find any e-book out there but there is no book that similar with Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series). It gives you thrill reading journey, its open up your current eyes about the thing this happened in the world which is possibly can be happened around you. You can actually bring everywhere like in park, café, or even in your technique home by train. If you are having difficulties in bringing the paper book maybe the form of Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) in e-book can be your substitute.

Bessie Barrett:

In this period globalization it is important to someone to obtain information. The information will make a professional understand the condition of the world. The fitness of the world makes the information much easier to share. You can find a lot of personal references to get information example: internet, paper, book, and soon. You will see that now, a lot of publisher that print many kinds of book. The actual book that recommended to you is Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) this publication consist a lot of the information on the condition of this world now. This specific book was represented just how can the world has grown up. The language styles that writer use for explain it is easy to understand. Typically the writer made some exploration when he makes this book. That is why this book suited all of you.

Regina Dye:

Many people said that they feel bored stiff when they reading a reserve. They are directly felt the item when they get a half areas of the book. You can choose often the book Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) to make your current reading is interesting. Your current skill of reading expertise is developing when you similar to reading. Try to choose basic book to make you enjoy to read it and mingle the idea about book and examining especially. It is to be initial opinion for you to like to available a book and go through it. Beside that the reserve Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) can to be a newly purchased friend when you're truly feel alone and confuse using what must you're doing of that time.

Download and Read Online Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) Mohamed Slim Ben Mahmoud, Nicolas Larrieu, Aliain Pirovano #1QZEUJBHT74

Read Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) by Mohamed Slim Ben Mahmoud, Nicolas Larrieu, Aliaian Pirovano for online ebook

Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) by Mohamed Slim Ben Mahmoud, Nicolas Larrieu, Aliaian Pirovano Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) by Mohamed Slim Ben Mahmoud, Nicolas Larrieu, Aliaian Pirovano books to read online.

Online Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) by Mohamed Slim Ben Mahmoud, Nicolas Larrieu, Aliaian Pirovano ebook PDF download

Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) by Mohamed Slim Ben Mahmoud, Nicolas Larrieu, Aliaian Pirovano Doc

Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) by Mohamed Slim Ben Mahmoud, Nicolas Larrieu, Aliaian Pirovano MobiPocket

Risk Propagation Assessment for Network Security: Application to Airport Communication Network Design (FOCUS Series) by Mohamed Slim Ben Mahmoud, Nicolas Larrieu, Aliaian Pirovano EPub