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Book Review on
AUDIT AND INFORMATION SYSTEMS CONTROL
("AUDITUL SI CONTROLUL SISTEMELOR INFORMATIONALE"),

### by Pavel NASTASE (coord.), Eden ALI, Floarea NASTASE, Victoria STANCIU, Gheorghe POPESCU, Mirela GHEORGHE, Delia BABEANU, Dana BOLDEANU, Alexandru GAVRILA,
Ed. Economica, Bucharest, 2007

The necessity to adapt the audit to the new technological reality, having in the first plan the advantages generate by these technologies and the risks of the environments, has double impact: the information technology is subject and object of the audit.

The authors propose to identify the vulnerabilities regarding the information systems security and to elaborate different forms to eliminate the threats.

The *first chapter* presents standards and guides for information systems audit. It is also present the planning, management and deployment of the information systems audit processes.

Chapter three is dedicated to the information system life cycle management and application controls. There are define the life cycle, projects management, development methods, including systems

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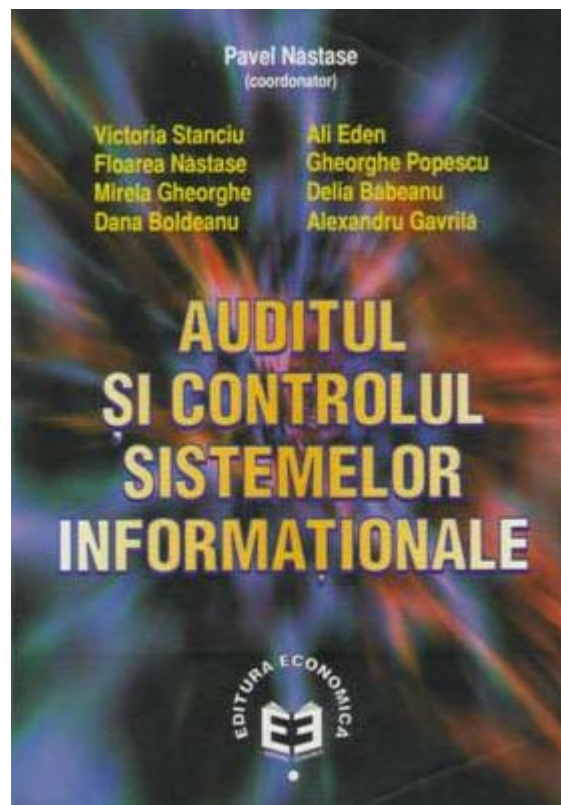
development life cycle, risks associated, Business Process Reengineering (BPR).

Technical infrastructure of the information systems, *chapter four*, contain: hardware and software architecture, operating in information systems, data management and network infrastructure.

Chapter five has information systems security basic elements as security management, logical access control, Internet and Intranet security, intruders' detection systems, security systems and electronic equipments protection.

Encrypt systems are the most important in data protection. In this *chapter* there are presented encryption with secret and public key, digital signature, infrastructure of the public keys and how we use the encryption in OSI protocols.

Business Continuity and Disaster Recovery are also important. In *chapter seven*, there are presented the BCP components, information systems continuity and planning for disaster recovery.

All seven chapters are finalized by questionnaires to determine the knowledge gathered regarding the problems presented.

The paper work is necessary to the auditors, specialists in information systems security, managers, but not the last to those who want to prepare CISA exam.

The preface of this book is presented by Alan T Lord, Professor of Accounting, Bowling Green State University, Ohio USA, and he recommends:

"As the Chair of the global task force from ISACA, I think the authors have done a commendable job with this text. The organizational structure and content of this text allow it to serve as a preference primer for studying the information systems audit and control discipline."

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