

1. Record Nr.	UNINA9911138547503321
Autore	Garcia Mary Lynn
Titolo	Vulnerability assessment of physical protection systems / / Mary Lynn Garcia
Pubbl/distr/stampa	Amsterdam ; ; Boston, : Elsevier Butterworth-Heinemann, c2006
ISBN	1-281-05212-4 9786611052126 0-08-048167-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (399 p.)
Disciplina	658.4/73
Soggetti	Security systems - Evaluation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front cover; Title page; Copyright page; Table of contents; Preface; CHAPTER 1 Introduction to Vulnerability Assessment; Risk Management and Vulnerability Assessment; Risk Assessment and the Vulnerability Assessment Process; Statistics and Quantitative Analysis; Vulnerability Assessment Process Overview; Planning the Vulnerability Assessment; Project Management; Establish the Vulnerability Assessment Team; Project Kick-Off Meetings; Protection Objectives; Facility Characterization; Data Collection-Detection; Intrusion Sensors; Alarm Assessment; Entry Control; Alarm Communication and Display Data Collection-Delay Data Collection-Response; Analysis; Reporting and Using the Vulnerability Assessment; Systems Engineering and Vulnerability Assessment; System Requirements; System Design and Analysis; System Installation and Test; System Replacement; Summary; References; CHAPTER 2 Physical Protection Systems Principles and Concepts; Physical Protection Systems Overview; Physical Protection System Design; PPS Functions; Detection; Delay; Response; Relationship of PPS Functions; Characteristics of an Effective PPS; Protection-in-Depth; Minimum Consequence of Component Failure Balanced Protection Design and Evaluation Criteria; Additional Design Elements; Summary; Reference; CHAPTER 3 Getting Started; Project Management; Phase One-Project Planning; Initial Customer Contact; Define the Project; Phase Two-Managing the Project; Project Status and

Reporting; Recovery Plans; Project Management Tools; Project Closeout; Project Management Summary; Establish a Vulnerability Assessment Team; Vulnerability Assessment Project Leader; Systems Engineer; Security System Engineer; SME-Intrusion Sensing Subsystem; SME-Alarm Assessment Subsystem
SME-Alarm Communication & Display (AC&D) Subsystem SME-Entry Control Subsystem; SME-Delay Subsystem; SME-Response Subsystem; SME-Communications Subsystem; SME-Analyst; Special Note for Response Force Simulations; Participation of On-Site Personnel; Kick-Off Meetings for Project Team and Customer; Project Team Kick-Off Meeting; VA Team Guide; Site Information; Customer Kick-Off Meeting; Summary; References; CHAPTER 4 VA Process Inputs - Establish Protection Objectives; Defining the Threat; Listing Information Needed; Collecting Information; Organizing Information; Threat Definition Methods
Insider Threat Other Notes on Threat Definition; Estimating Likelihood of Attack; Asset Identification; Asset Identification Methods; Manual Listing; Logic Diagrams; Criteria; Threat/Asset Matrix; Facility Characterization; Characterization Tools; Facility States; Security Checklists; Summary; References; CHAPTER 5 Data Collection - Intrusion Detection Subsystem; Sensor Overview; Exterior Intrusion Sensor Technologies and Evaluation; Freestanding Sensors; Exterior Microwave Sensors; Electric-field Sensors; Freestanding Sensors Summary; Buried-Line Sensors; Ported Coaxial Sensors
Buried-Line Sensors Summary

Sommario/riassunto

Vulnerability Assessment of Physical Protection Systems will describe the entire vulnerability assessment (VA) process, from the start of planning through final analysis and out brief to senior management. The text will draw heavily on the principles introduced in the author's best-selling Design and Evaluation of Physical Protection Systems and allow readers to apply those principles and conduct a VA that is aligned with system objectives and achievable with existing budget and personnel resources. The book will address the full spectrum of a VA, including negotiating tasks with the customer,
