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Nota di contenuto	Cover; Title Page; Contents; Preface; Chapter 1 Roles and Implications of Transportation Systems in Homeland Security; 1.1 Introduction; 1.2 Organizational Elements of Preparedness; 1.2.1 A High Level All-Hazards Manager; 1.2.2 All-Hazards Leadership Team; 1.2.3 All-Hazards Technical Specialist Staff; 1.2.4 External Partnerships; 1.3 All-Hazards Emergency Preparedness Plans; 1.3.1 Consistency with National Emergency Planning Principles; 1.3.2 A Single Emergency Preparedness Plan; 1.3.3 Hazard Type Annexes; 1.3.4 Distribution and Regular Updating; 1.4 Incident Prevention Capabilities 1.4.1 Risk Management1.4.2 Deterrence and Detection Improvements; 1.4.3 Infrastructure Hardening; 1.4.4 Public Awareness Building; 1.4.5 Information Sharing; 1.4.6 Control of Sensitive Information; 1.5 Incident Preparedness Capabilities; 1.5.1 Employee Training; 1.5.2 Drills and Exercises; 1.5.3 Enhanced Traffic Management Centers; 1.5.4 Emergency Traffic Operations; 1.5.5 Evacuation Planning; 1.5.6 Communications Interoperability; 1.5.7 Equipment, Facility and Personnel Inventory Management; 1.6 Incident Response and Recovery Capabilities 1.6.1 Mobilization of Equipment, People, and Private Sector Resources1.6.2 Recovery of Transportation Infrastructure; 1.7 Conclusions; References; Further Reading; Chapter 2 Transportation System as a Security Challenge; 2.1 Introduction; 2.2 Security-Related Characteristics of Transportation Systems; 2.2.1 Extent of the

Transportation System; 2.2.2 Network Characteristics; 2.2.3 Transportation Nodes as Gateways; 2.2.4 Transportation as a Means; 2.2.5 Time Lag to Recover; 2.2.6 System Command, Control, and Communications; 2.2.7 Institutional Structure; 2.3 Atlanta as an Example; 2.4 Summary
ReferencesChapter 3 Transportation Operations and Control; 3.1 Objectives; 3.2 Requirement; 3.3 Modes of Transportation; 3.4 Emergency Transportation Operations on Highways; 3.5 Technologies; 3.6 Challenges; 3.7 Improving the Way Forward; Chapter 4 Transportation Security Performance Measures; 4.1 Introduction; 4.2 Performance Measure Concepts; 4.3 Framework to Define Performance Measures for Transportation Security Systems; 4.3.1 Elements in a Risk-Based Approach; 4.3.2 Performance Measures Framework; 4.4 Definitions and Estimation of Performance Metrics; 4.4.1 Metrics for System Performance
4.4.2 Metrics for the Benefits of Transportation Security Systems4.4.3 Metrics for the Resources Needed for a Deployment; 4.4.4 Metrics for the Impacts of Transportation Security Systems; 4.5 Illustrations of the Use of Performance Measures; 4.5.1 Illustration 1: Assessing Performance of a Transportable Radiation Monitoring System; 4.5.2 Illustration 2: Assessing Performance of Airport Entry Screening of Passengers during a Pandemic; 4.6 Key Concepts and Recommendations on Future Directions; Acknowledgments; References; Chapter 5 Security Assessment Methodologies for US Ports and Waterways
5.1 Introduction

Sommario/riassunto

Transportation Security features articles from the Wiley Handbook of Science and Technology for Homeland Security covering topics related to security challenge of transportation systems in the USA and elsewhere, performance measures, including coverage of critical supply chain protection and emergency evacuation.
