



PSP Domains, Tasks, Knowledge and Skills

May 12, 2010

PSP Examination Exam Structure and Content

Domain 01 Physical Security Assessment (33%)

Task 0101 Identify assets in order to determine their value, loss impact, and criticality.

Knowledge of:

- 010101: The nature and types of assets (tangible and intangible)
- 010102: Valuing various types of assets
- 010103: Definitions and terminology related to assets, value, loss impact and criticality
- 010104: Core functions of the place
- 010105: Current security programs and security management of the place or process

Task 0102 Assess the nature of threats so that the scope of the problem can be determined.

Knowledge of:

- 010201: The nature, categories, and types of threats (e.g., natural, man-made)
- 010202: Different environmental types and severity (e.g., natural disasters, criminal events, terrorism, socio-political, cultural)
- 010203: Demographics (crime, population)
- 010204: Critical business operations of various types of places or processes
- 010205: External organizations and their potential impact on facility's security program
- 010206: Other external factors (legal, loss of reputation, economic, etc) and their impact of the facility's security program

Task 0103 Conduct a physical security survey in order to identify the vulnerabilities of the place or process.

Knowledge of:

- 010301: Security survey techniques
- 010302: Qualitative and quantitative risk assessments
- 010303: Crime prevention through environmental design (CPTED)
- 010304: Situational crime prevention
- 010305: Security technologies and equipment applications
- 010306: Interpretation of building plans, drawings and schematics

- 010307: Nature and types of data to be collected
- 010308: Methods of collecting relevant data
- 010309: Existing equipment, physical security systems, personnel and procedures
- 010310: Fault tolerance (i.e., ability of a system to withstand failure)
- 010311: Applicable standards/regulations/codes and where to find them
- 010312: Environmental conditions that impact the security level of the place or process

Task 0104 Perform a risk analysis so that appropriate countermeasures can be developed.

Knowledge of:

- 010401: Risk analysis strategies and methods
- 010402: Risk management principles
- 010403: Methods for analysis and interpretation of collected data
- 010404: Threat and vulnerability identification
- 010405: Loss event profile analysis
- 010406: Methods of evaluating criticality and probability
- 010407: Appropriate countermeasures related to specific threats
- 010408: Cost benefit analyses (e.g., return on investment [ROI] analysis, total cost of ownership)
- 010409: Legal issues related to various countermeasures/security applications

Domain 02 Application and Design of Physical Security Systems (38%)

Task 0201 Establish security system design requirements and performance specifications.

Knowledge of:

- 020101: Design constraints (e.g., regulations, budget, cost, technical capability, systems design capacities and limitations; materials, equipment and system compatibility)
- 020102: Applicability of risk analysis results
- 020103: Relevant security terminology and concepts
- 020104: Applicable codes, standards and guidelines
- 020105: Methods of setting priorities
- 020106: Types of security measures
- 020107: Functional requirements
- 020108: Performance requirements
- 020109: Commissioning requirements
- 020110: Success metrics

Task 0202 Apply physical security measures and select appropriate system components.

Knowledge of:

- 020201: Barriers (e.g., fencing, doors, gates, berms, bollards, barriers)
- 020202: Security lighting
- 020203: Biometrics and credentials
- 020204: Duress systems
- 020205: Target hardening (e.g., blast mitigation strategies, ballistic protection)
- 020206: Access control systems (physical and electronic)
- 020207: Intrusion detection applications (interior and exterior sensors)
- 020208: Analog closed-circuit television (CCTV) and IP video (cameras, control, recording, storage devices)
- 020209: Personnel, package, and vehicle screening
- 020210: Emergency notification systems
- 020211: Security computer systems (hardware, software, peripherals)
- 020212: Principles of data storage and management
- 020213: Principles of network infrastructure and network security
- 020214: Security audio communications (radio, telephone, intercom, IP audio)
- 020215: Systems monitoring, display and supervision types (field panels, multiplexers, control centers/consoles)
- 020216: Systems redundancy alternative power sources (battery, UPS, generators, surge protection)
- 020217: Signal and data transmission methods
- 020218: Equipment and system maintenance requirements
- 020219: System operations manpower requirements
- 020220: Identity management (PII)

Task 0203 Develop and document security systems design and pre-implementation plans.

Knowledge of:

- 020301: Design phases (pre-design, schematic design, design development, construction documents and cutover plan)
- 020302: Design elements (calculations, drawings, specifications, review of manufacturer's submittals and technical data)
- 020303: Construction specification standards (CSI)
- 020304: Systems integration (technical approach, connecting with non-security systems)
- 020305: Project management strategy
- 020306: Scheduling (Gantt charts, PERT charts, milestones and objectives)

- 020307: Cost estimates and cost-benefit analysis
- 020308: Value engineering
- 020309: Passive and active designs
- 020310: Major report elements

Domain 03 Implementation of Physical Security Measures (29%)

Task 0301 Outline criteria for pre-bid meeting to ensure comprehensiveness and appropriateness of implementation.

Knowledge of:

- 030101: Bid package components
- 030102: Criteria for evaluation of bids
- 030103: Technical compliance criteria
- 030104: Ethics in contracting

Task 0302 Procure physical security measures and implement recommended quality assurance plan.

Knowledge of:

- 030201: Project management functions and processes throughout the system life cycle
- 030202: System integration
- 030203: Vendor pre-qualification (interviews and due diligence)
- 030204: Configuration management
- 030205: Procurement process

Task 0303 Conduct commissioning, acceptance testing and delivery of the physical security measure.

Knowledge of:

- 030301: Installation/maintenance inspection techniques
- 030302: Commissioning
- 030303: Installation problem resolution (punchlists)
- 030304: Test and acceptance criteria
- 030305: Warranty types
- 030306: End-user training requirements
- 030307: Ongoing maintenance and inspection requirements