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Security and resilience — Protective security — Guidelines for crime prevention through environmental design

Sécurité et résilience — Sécurité préventive — Lignes directrices pour la prévention de la criminalité par la conception environnementale



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 292, *Security and resilience*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

This document is intended to promote a common understanding of crime prevention through environmental design (CPTED) in the field of security, law enforcement and related risks, and their preventive measures, through environmental design and management.

CPTED concepts have been used since the 1970s and CPTED-style security measures can be traced to early human settlements. The term CPTED was first introduced in 1971 by C. Ray Jeffery, see Reference [5]. CPTED concepts originated from criminology and crime opportunity theories and studies. Since then, it has been included as part of many other crime prevention strategies that are utilized today. These include, but are not limited to, defensible space, broken windows theory, routine activity theory, rational choice, situational crime prevention and crime free housing.

CPTED has an increasingly sound theoretical foundation based on firm evidence of significant crime and fear reduction gained from a series of formal and rigorous evaluations in the field of environmental psychology, criminology and crime science. When well-planned and wisely implemented, CPTED improves community safety and industrial security in a cost-effective manner.

[Figure 1](#) illustrates the framework of CPTED for crime prevention and security.

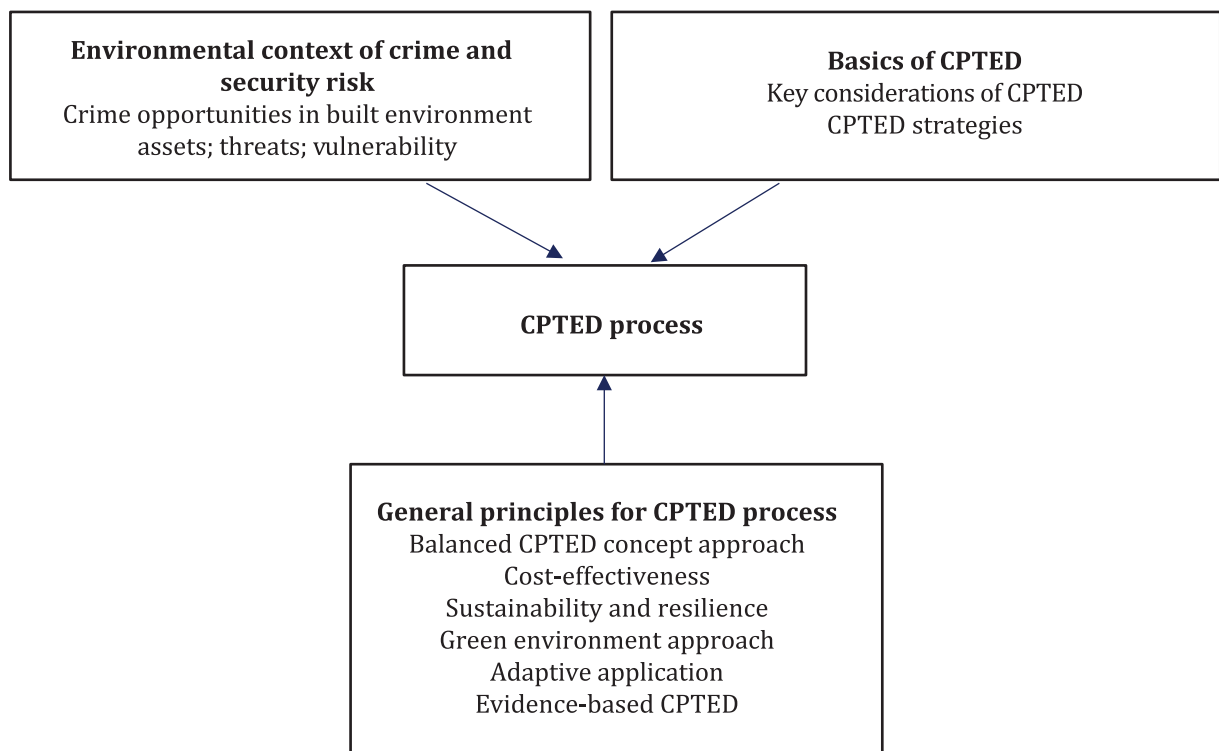


Figure 1 — Framework of CPTED for crime prevention and security

This document starts with understanding the environmental context of crime and security risk factors, causes of vulnerabilities and risk levels. This is followed by the basics of CPTED through its historical background, four key considerations of CPTED (places generating crime, types and causes of the risk, CPTED interested parties and countermeasures) and CPTED strategies. Better understanding of the risk and CPTED considerations leads to a better selection of tailored countermeasures. The process of CPTED begins with the establishment of an oversight body, performance target settings and organizing a project team, risk assessment and risk treatment, evaluation of treatment, corrective actions and feedback to the initial stage of CPTED for continual improvement. It is followed by the fundamental principles for CPTED process, such as balanced conceptual approach, cost-effectiveness, sustainability and resilience, green environment (ecological) approach, adaptive application and an evidence-based approach.

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The use of CPTED should be applied universally in an equal manner and should not be applied with any prejudice (whether cultural, racial, religious or any other bias).