

DOMAIN 1, BOOKLET 1

CC in a Nutshell



Security Principles

By BELKHIR Selma

CIA Triad

CONFIDENTIALITY: PROTECTS DATA FROM
UNAUTHORIZED ACCESS.

INTEGRITY: ENSURES DATA IS NOT
ALTERED WITHOUT AUTHORIZATION.

AVAILABILITY: ENSURES DATA IS
ACCESSIBLE TO AUTHORIZED USERS WHEN
NEEDED.



Risk Management

RISK IDENTIFICATION: COMMUNICATE RISKS
ACROSS ALL ORGANIZATIONAL LEVELS.

RISK ASSESSMENT: IDENTIFY, ESTIMATE, AND
PRIORITIZE RISKS TO OPERATIONS, ASSETS,
INDIVIDUALS, AND ORGANIZATIONS.

RISK TREATMENT:



ACCEPT: TAKE NO ACTION.

AVOID: ELIMINATE THE RISK.

MITIGATE: REDUCE IMPACT.

TRANSFER: SHIFT RISK TO A THIRD PARTY.

Security controls

PHYSICAL CONTROLS: DEVICES LIKE
BADGE READERS, LOCKS, AND
ARCHITECTURAL FEATURES.



TECHNICAL CONTROLS: SECURITY
MECHANISMS IMPLEMENTED THROUGH
HARDWARE OR SOFTWARE.

ADMINISTRATIVE CONTROLS: POLICIES
AND GUIDELINES FOR PEOPLE IN THE
ORGANIZATION.



Governance Elements

PROCEDURES: DETAILED STEPS SUPPORTING
POLICIES.

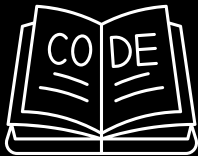
POLICIES: GUIDELINES SET BY MANAGEMENT
TO SUPPORT STANDARDS AND REGULATIONS.

STANDARDS: FRAMEWORKS SET BY
GOVERNANCE TEAMS.

REGULATIONS: LAWS USUALLY ISSUED BY
GOVERNMENTS WITH PENALTIES FOR NON-
COMPLIANCE.

(ISc2) Code of Ethics

- PROTECT SOCIETY AND INFRASTRUCTURE.



- ACT HONORABLY AND LEGALLY.
- PROVIDE DILIGENT, COMPETENT SERVICE TO CLIENTS AND PRINCIPALS.

Thank you for
reading; I hope
this was
helpful! I'd
appreciate any
feedback you
have.



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