**FreedomSquare, USA**

**Define data encryption policy for data at rest and in transit**

**Objective:**

The purpose of this SOP is to define and establish a data encryption policy for customer projects. This policy ensures that data is protected both at rest and in transit, and it outlines the processes and measures required to enforce encryption. Additionally, the use of a dedicated key management solution is emphasized for the storage and management of cryptographic keys.

**Scope:**

This SOP applies to all customer projects and environments where data encryption is required. It covers the encryption of data at rest and in transit, as well as the management of cryptographic keys.

**Procedure:**

**Data Encryption Policy:**

All customer projects must adhere to a data encryption policy that ensures the protection of data at rest and in transit.

Encryption must be enabled by default for all relevant data storage services, such as those provided by AWS.

Encryption protocols and algorithms used should comply with industry standards and best practices.

Data encryption keys should be securely managed and stored using a dedicated key management solution.

**Endpoints Exposed to the Internet:**

A summary of all endpoints exposed to the internet must be maintained.

Each exposed endpoint must utilize encryption for traffic transmitted over the internet.

Encryption protocols and algorithms used for internet traffic should comply with industry standards and best practices.

**Requests to External Endpoints:**

A summary of all processes that make requests to external endpoints over the internet must be maintained.

All outbound requests must utilize encryption for traffic transmitted over the internet.

Encryption protocols and algorithms used for internet traffic should comply with industry standards and best practices.

**Enforcing Encryption at Rest:**

By default, the native encryption features provided by AWS services should be enabled for storing customer data.

Exceptions to enabling native encryption should be justified with valid reasons and documented accordingly.