



BSI Standards Publication

Security aspects for digital currencies

National foreword

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Foreword

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Introduction

There is a need for the international financial community to recognize certain security measures and criteria to promote public trust in digital currencies. From a security and assurance perspective, protecting an ecosystem surrounding any type of digital currency ultimately protects and informs any future issuance goal of a fiat digital currency. Security aspects as they relate to cross-border transactions are to be compiled as well.

A look at the security horizon for digital currencies reveals a need to adjust and to add new capabilities, including a broadening of the business needs for banking and financial actions with security representing national and international uses. The financial landscape has expanded into the digital realm, causing a re-examination of traditional security technologies, while digital applications are constantly changing. Adding another digital dimension for secure payments and secure transactions with a digital currency pushes the security paradigms and adds a mix of threats that become real for every level of the financial ecosystem.

A security framework and assurance needs to recognize existing international financial ecosystems and their security components. A security framework is needed that international financial markets can select and adapt to their own needs.

Building a digital currency model can require a security framework that is not identified in this document and is yet to be determined.

