



Cyber Resilience for digital payments and financial infrastructure
in Emerging Markets and Developing Economies

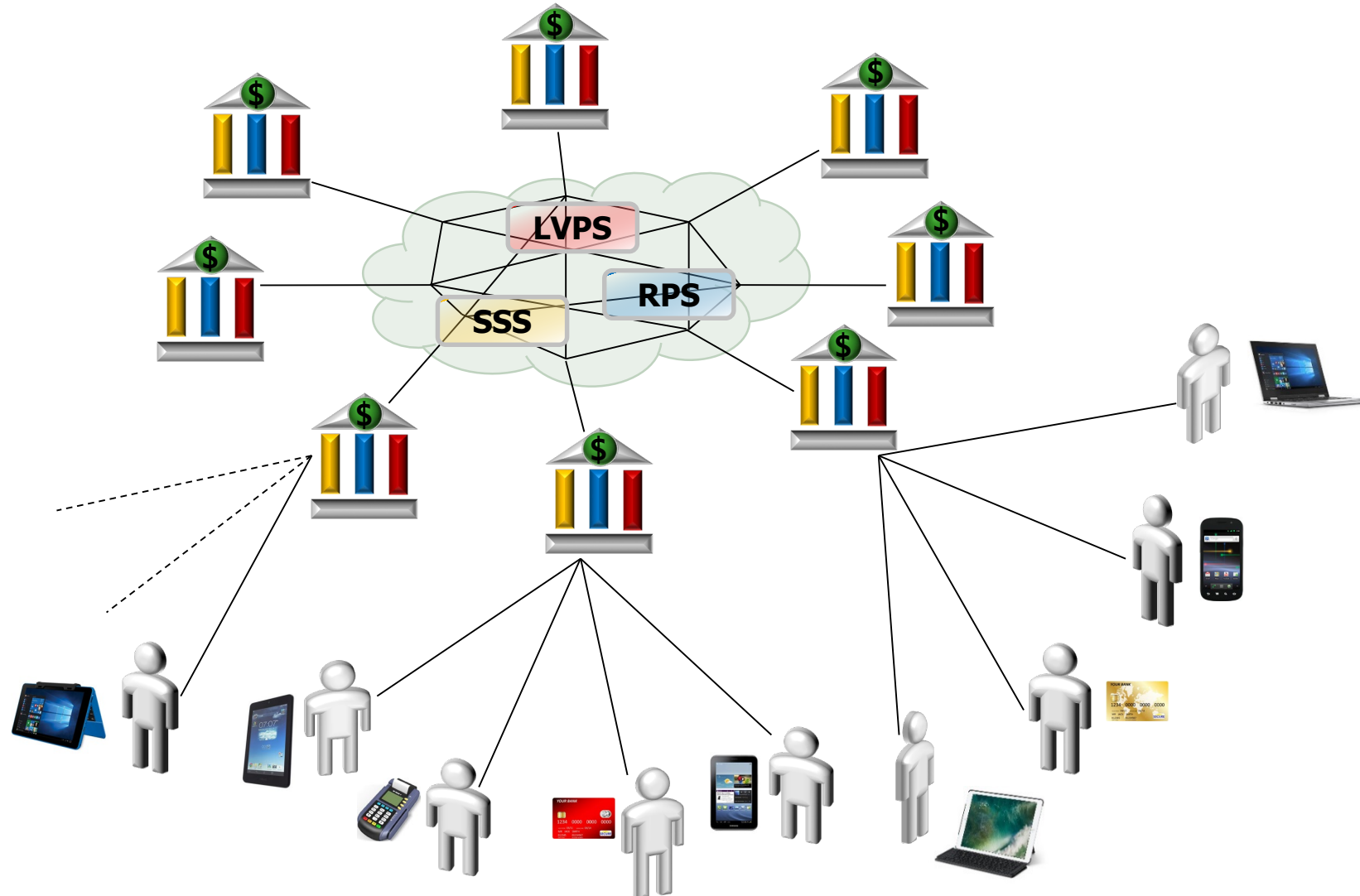
FIGI symposium 2021

Takeshi Shirakami, CPMI Secretariat, June 2021

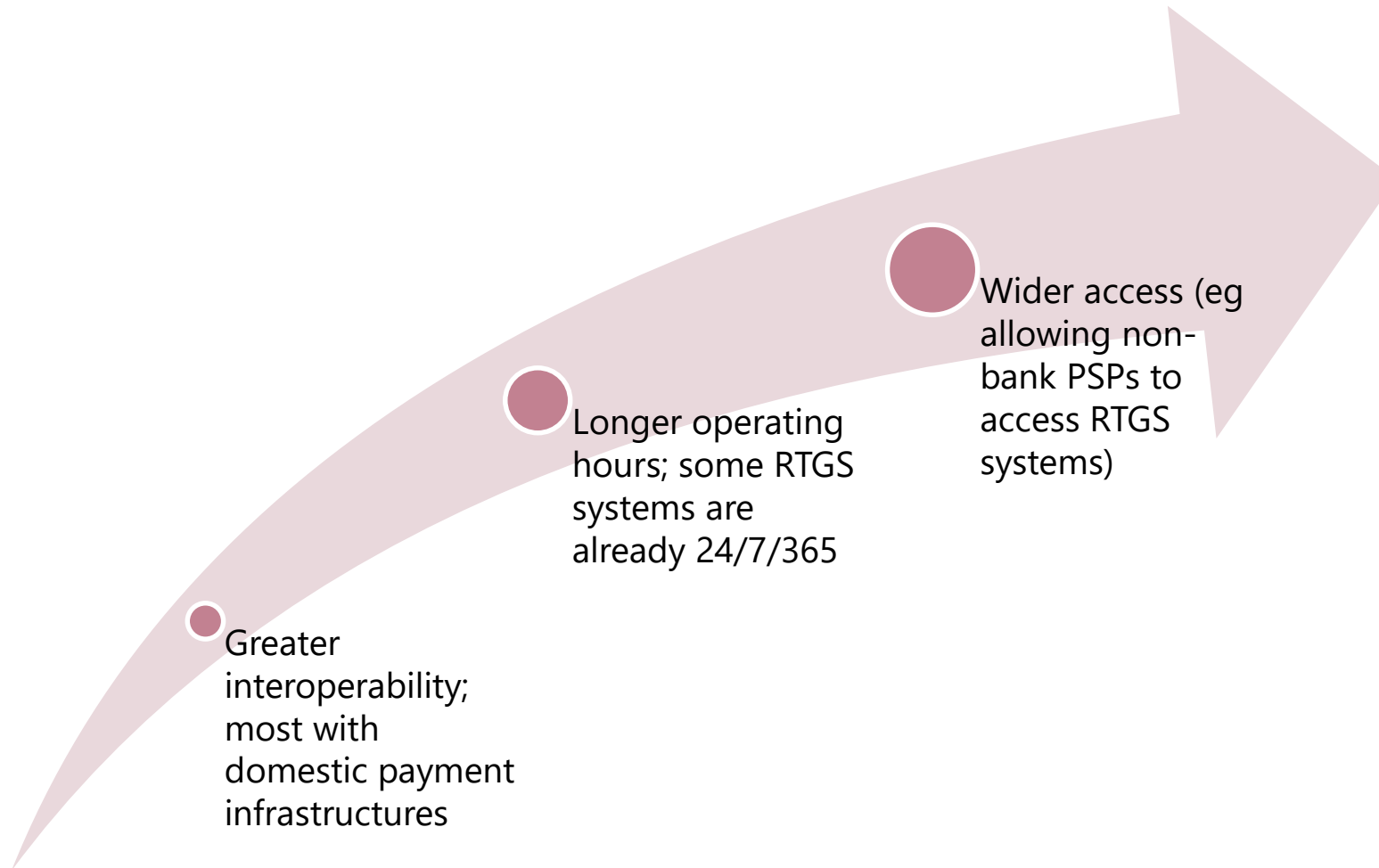
* Views expressed in this presentation are those of the presenter and not necessarily those of the BIS, the CPMI or its member central banks.

CPMI strategy: reducing the risk of wholesale payments
fraud related to endpoint security

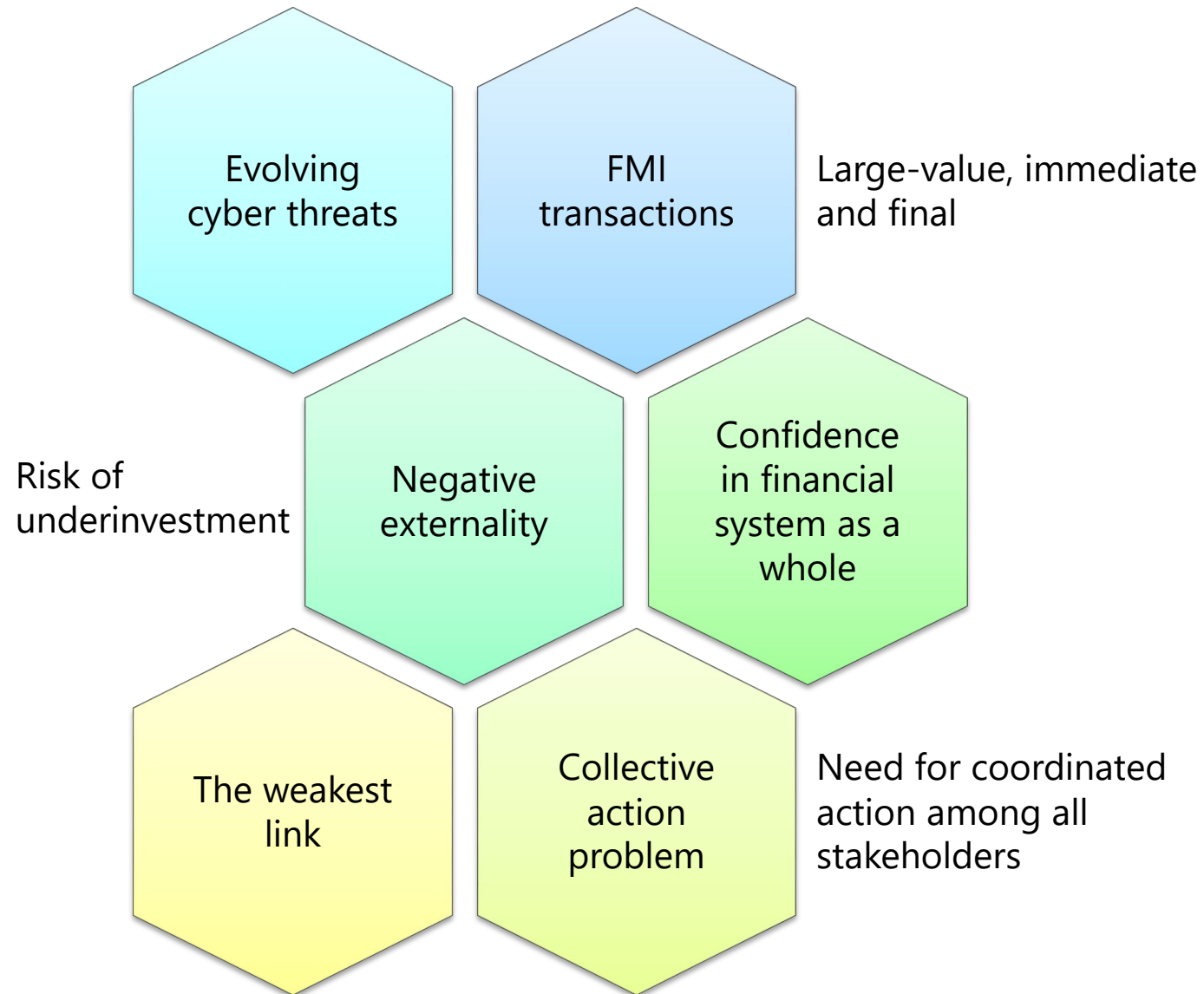
FMI ecosystem - complex and interconnected



Wholesale payments evolution: boarder attack surface?



Challenges for FMIs



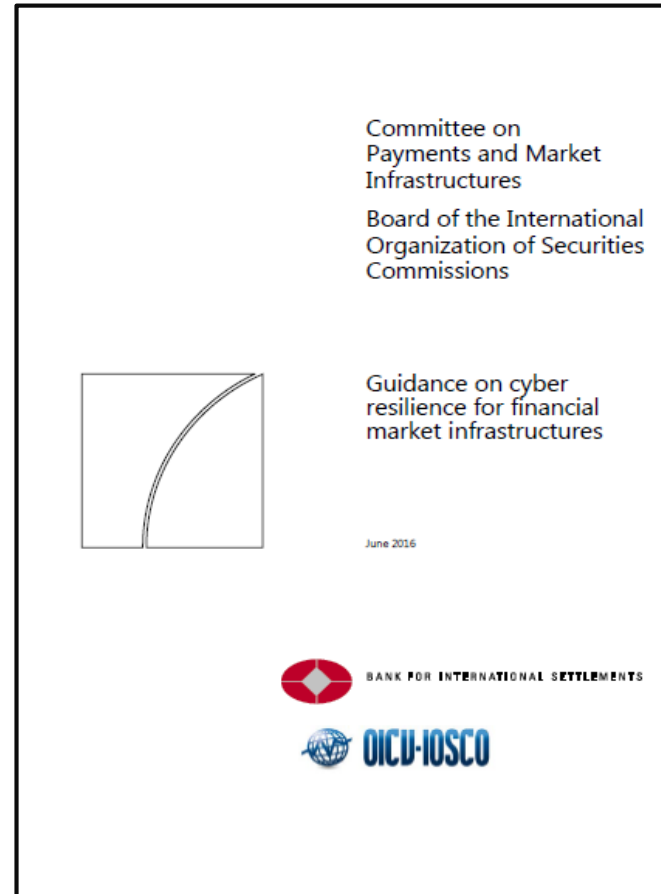
Our approach



“Protect the core”
Cyber resilience for FMIs

“Secure the periphery”
Wholesale payments security

Protect the core - 1st cyber guidance published by a financial sector international SSB.



Protect the core - Guidance on cyber resilience for FMIs – June 2016



- 5 primary risk management categories
- 3 overarching components

Ongoing engagement with the FMI industry to advance industry-wide efforts

Secure the periphery – CPMI strategy to reduce the risk of wholesale payment fraud related to endpoint security



Secure the periphery – emerging practices for the operationalisation of the strategy

Element 3: Processes exist to promote participants' adherence to their respective endpoint security requirements.

Element 4: The **development of tools** that an operator or participant could use to identify and **to block potentially fraudulent payments in "real time"** before they are processed, and that an operator or participant could use to identify and to investigate potentially fraudulent payments in a timely manner after they may have been processed

Element 5: The **development of emergency hotlines, contact lists, internal escalation procedures, and system-wide protocols** to support an operator's and a sending or receiving participant's timely response (including during off-hours) to a request **to stop or to recall a potentially fraudulent payment**, along with the **development of supporting indemnity agreements** that may be needed to avoid unduly shifting legal liability

Element 7: The **expectations and assessment programmes of the regulators, supervisors and overseers of the participants** reflect, as appropriate, the relevant intended outcomes of this strategy.

"Toolkit" document available on the CPMI website.

Secure the periphery- reaching out to global central bank community

FSI Connect
Financial Stability Institute

BANK FOR INTERNATIONAL SETTLEMENTS

Wholesale Payments Fraud – Overview

Duration: 15 minutes
Level: Fundamental

> START

MENU

PRINT

This slide features a blue background with a glowing globe and network lines. The title 'Wholesale Payments Fraud – Overview' is centered in white. Below the title, the duration and level are listed. At the bottom, there are three buttons: 'START', 'MENU', and 'PRINT'.

FSI Connect
Financial Stability Institute

BANK FOR INTERNATIONAL SETTLEMENTS

Cyber Risk – Financial Market Infrastructures: Cyber Resilience

Duration: 15 minutes
Level: Fundamental

> Start

Index

Print

This slide features a dark red background with a pattern of flags. The title 'Cyber Risk – Financial Market Infrastructures: Cyber Resilience' is centered in white. Below the title, the duration and level are listed. At the bottom, there are three buttons: 'Start', 'Index', and 'Print'.

**WE WEAR
MANY HATS.**

