



Transformation of the European Payments Landscape

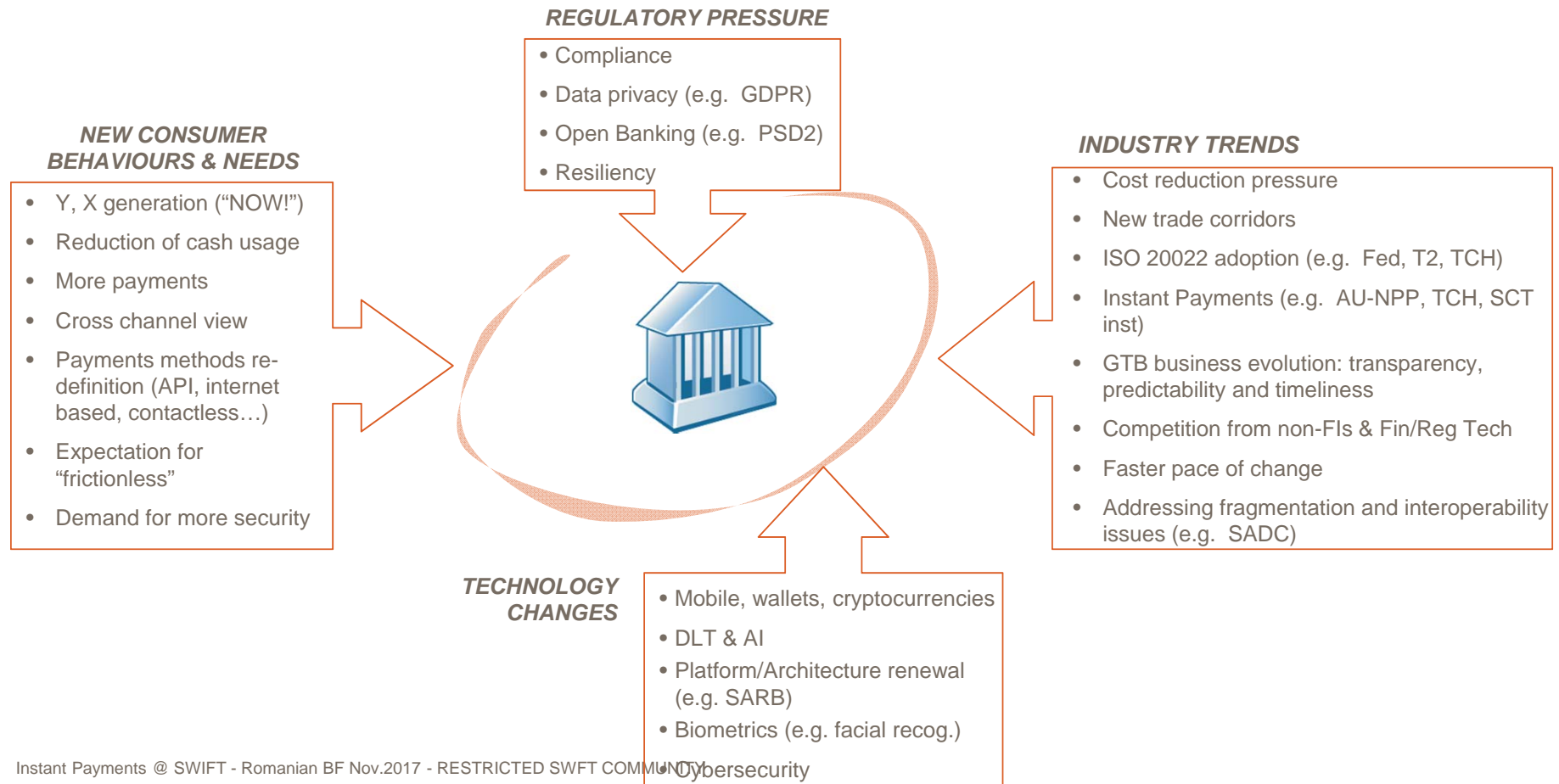
SWIFT Instant Payments Messaging

November 2017

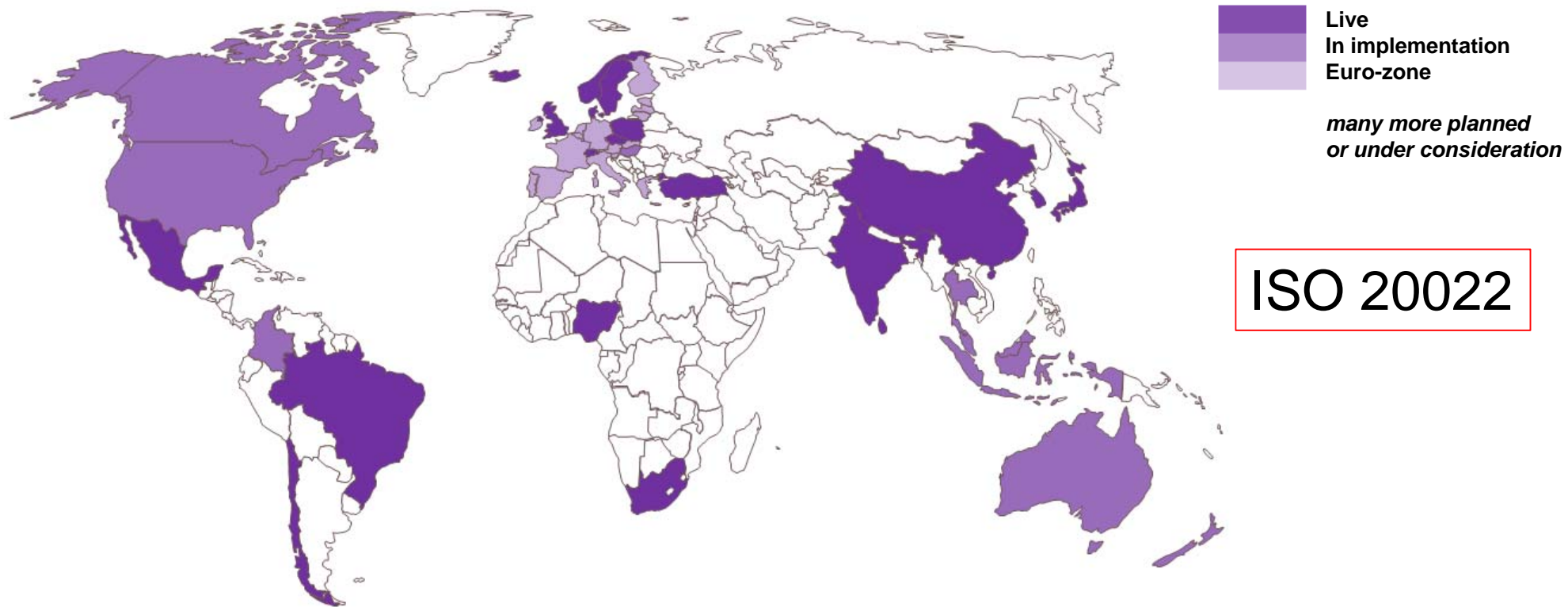
Matthieu de Heering
Head of Central and Eastern Europe
EMEA - SWIFT

Challenges for the Payments Industry

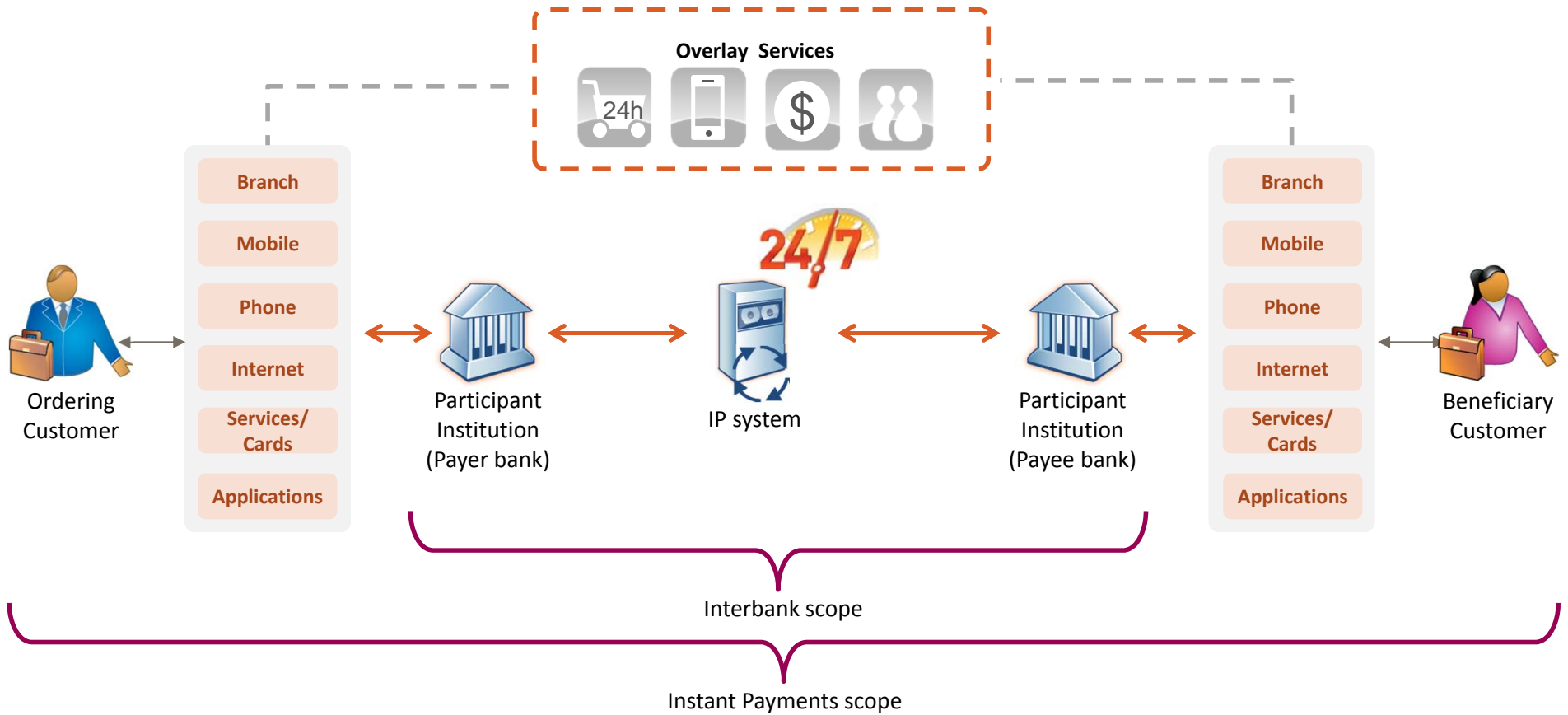
Many disruptions coming together in a short timeframe and cost-pressured environment



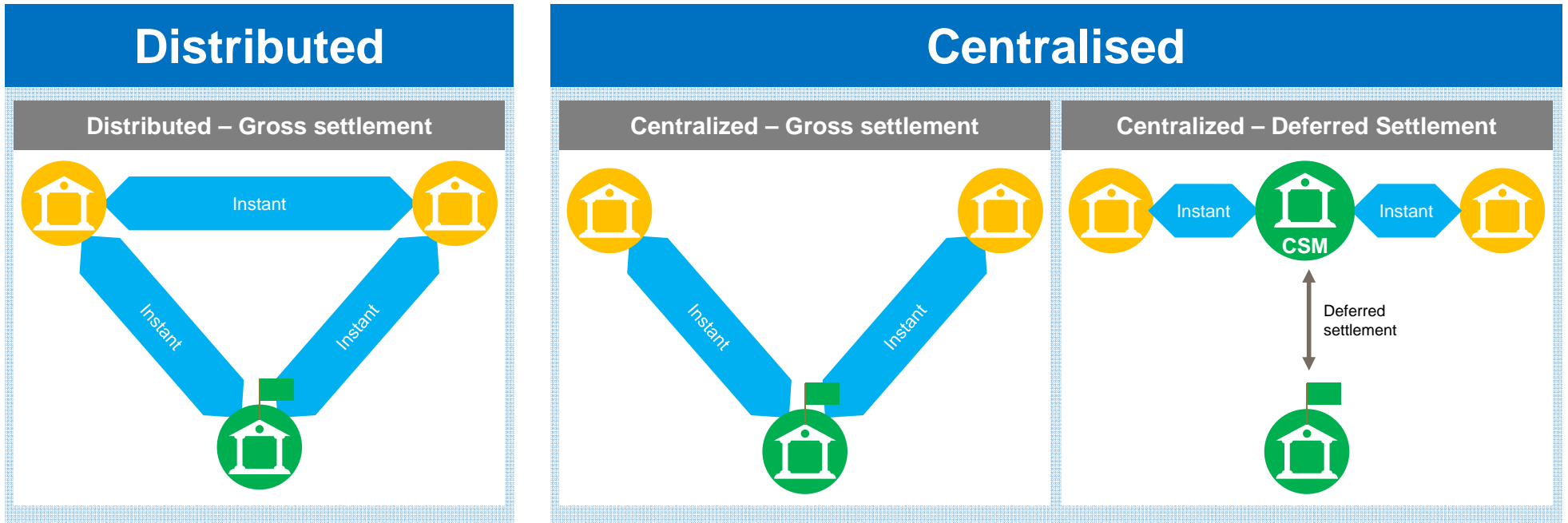
Market context: faster payments come faster than expected



Instant Payment End-to-End Chain



Supporting instant payments messaging – different models, common requirements



Australia New Payments Platform: Q4 2017

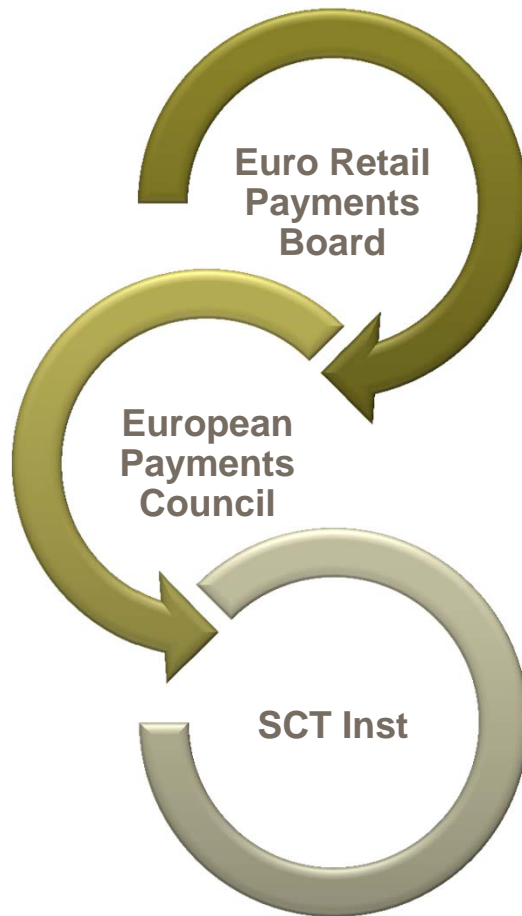
Key Requirements

- Low latency
- 24x7x365
- Secure & Resilient

First deployment in Eurozone: Q4 2018



Instant Payment in Europe



Launched by ECB in December 2013. Consisting of representatives of the Eurosystem as well as supply and demand side. Replacing the SEPA Council. Aim to foster the development of an integrated, innovative and competitive market for retail payments in Euro in the European Union.

The ERPB has invited the European Payments Council (EPC) to develop a pan-European instant payment scheme. The scheme will be based on the EPC's current SEPA credit transfer (SCT) scheme and will be called SCT inst.

Implementation Guidelines set out the Single Euro Payments Area (SEPA) rules for implementing the interbank 'instant' ISO 20022 XML message standards based on version 1.0 of the 2017 SEPA Instant Credit Transfer (SCT Inst) rulebook, taking effect 2017 November 21st at 08:00 CET



SCT Inst Retail Payment – Key characteristics

A non-time-critical payment of relatively low value. These payments are typically made outside of the financial markets and are both initiated by and made to individuals and non-financial institutions.



Money will be available irrevocably on the account of the payee within 10 seconds



Applies to credit transfers made in euro, up to a max amount of 15,000 €



SCT Inst transactions will be available 24/7/365



Transactions will be possible in the 34 current SEPA scheme countries

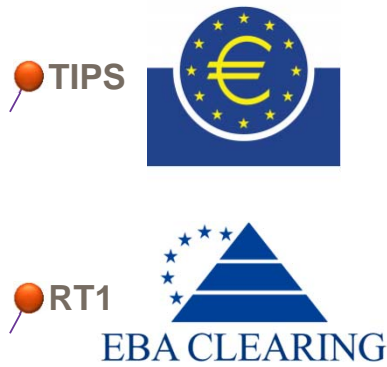
<https://www.europeanpaymentscouncil.eu/>

Important: not a big bang implementation:
Nov 2017: AT, ES, FI (2 major PSPs), IT and LV – btw 500 & 600 entities to join
End 2018: FI (most PSPs), PT (major PSPs), NL (some PSPs), SE, DE
No date yet: FR, DK, IE, LU



Instant Payment Initiatives in Europe

- SCT Inst scheme
- Other schemes



European Automated Clearing House Association

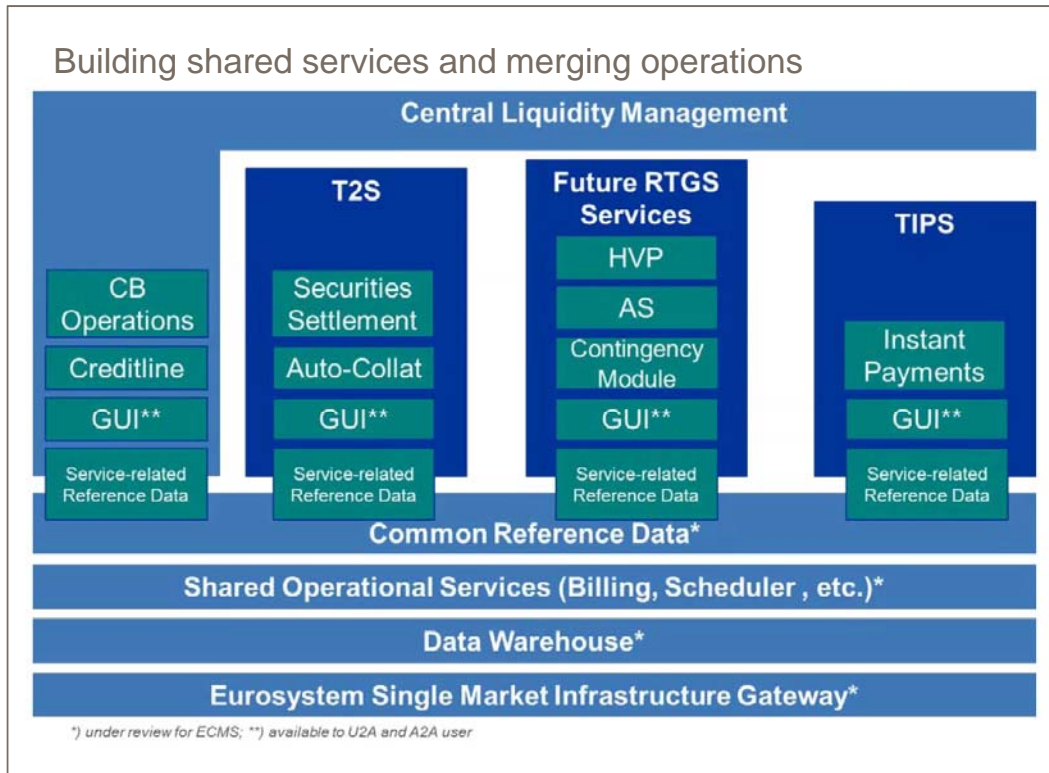


Different liquidity models, different ambitions



The Eurosystem consolidates access to their Market Infrastructure services

Eurosystem vision by 2020



Timeline



SWIFT Instant design principles



Enable re-use

SWIFT customers should be able to re-use of SWIFT assets as much as possible



Multi-CSM Connectivity

Participants should be able to connect to multiple services (CSM, value-added services) through a single connection



Meet EU Instant Payments requirements

Support the various messaging needs for instant payments and be future proof for T2/T2S/TIPS consolidation (incl. ESMIG) and beyond (interface strategy)

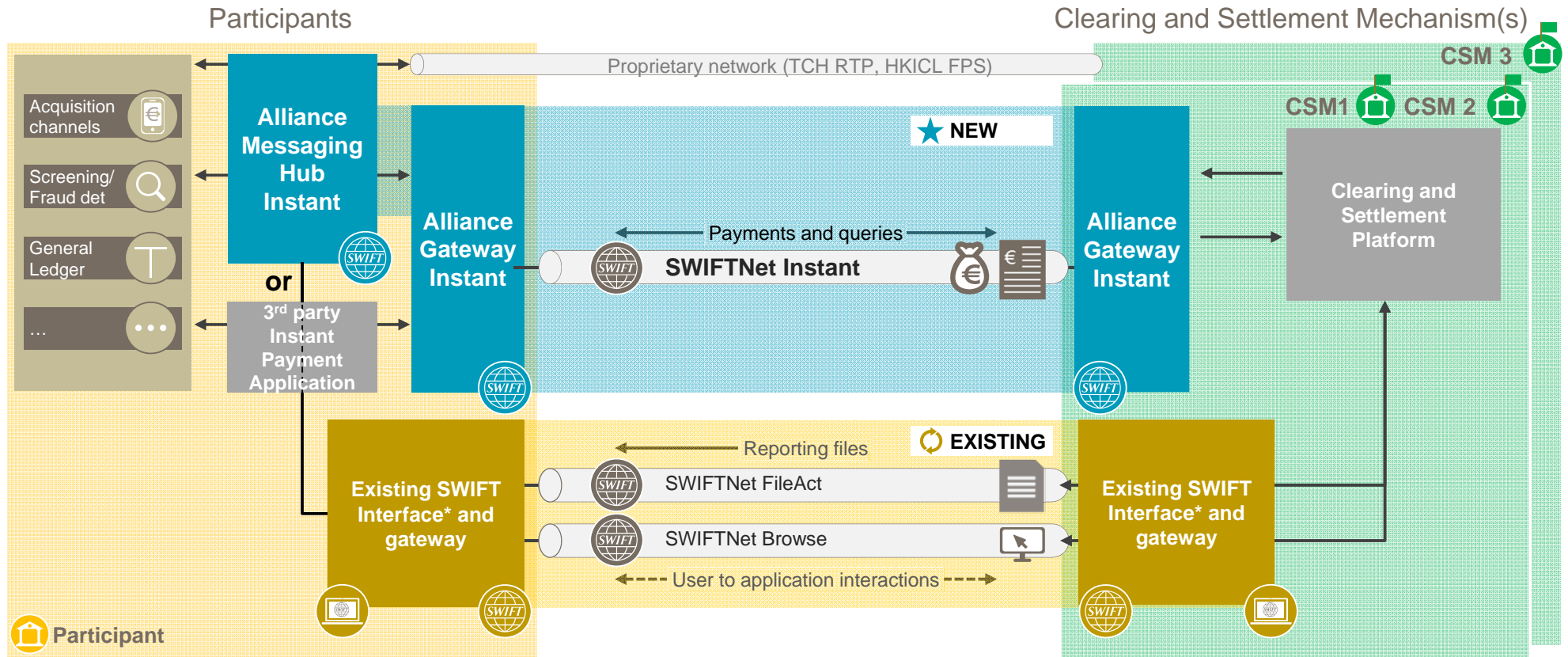


Future proof

Support future footprint evolution, infrastructure changes, aligned with SWIFT product portfolio



SWIFT solution for instant payments



Introduces a **new** instant messaging protocol (SWIFTNet Instant)

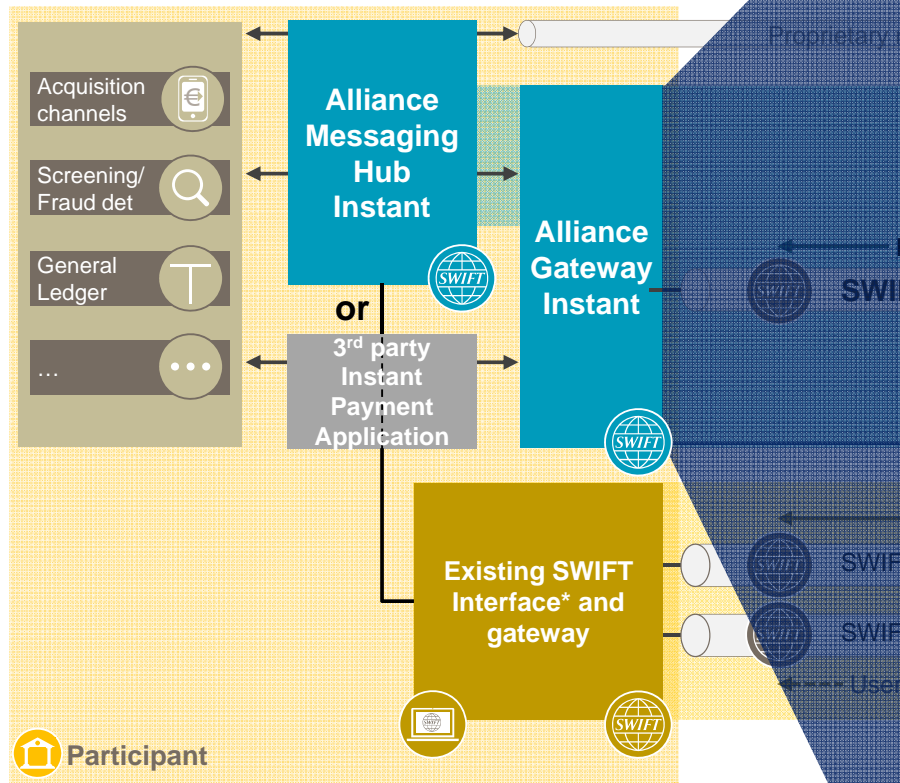
Re-uses the existing SWIFTNet connectivity and **security** infrastructure

Re-uses SWIFTNet **FileAct** and **Browse**



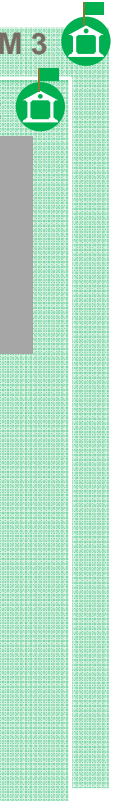
*existing infrastructure (if AMH this infrastructure can also form the basis of the orchestration hub)

Alliance Gateway Instant features

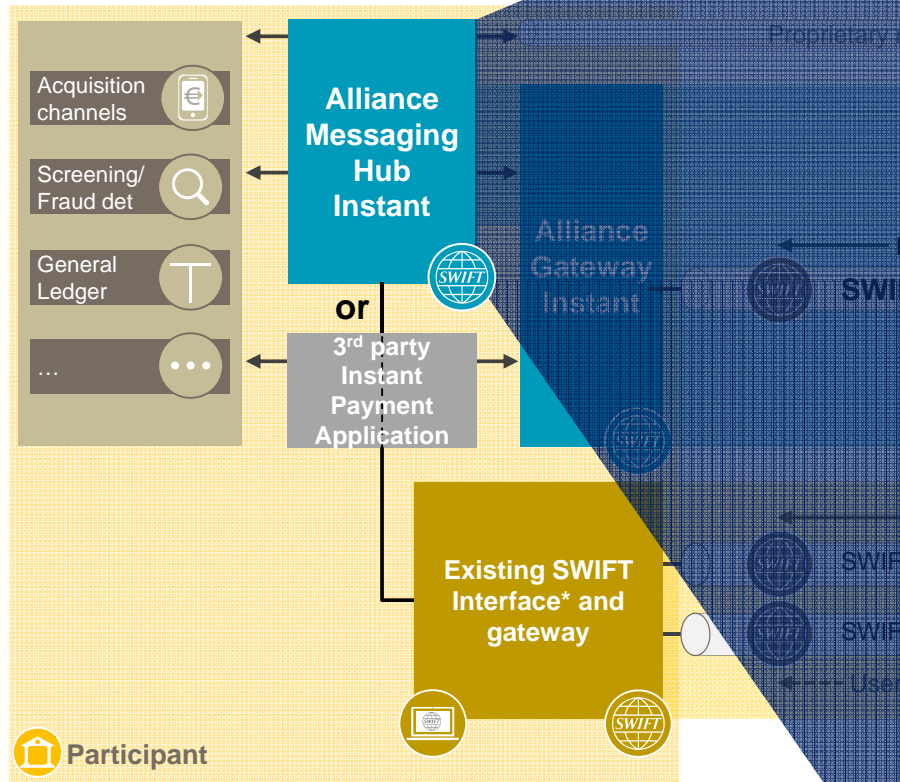


SWIFT's new real-time, 24x7 Alliance Gateway Instant

- Multi BIC routing**
Support for direct, indirect participation models and overlay routing
- Multi back-office support**
Segregation of business messages and security
- Monitoring**
Integration with monitoring applications
- Non-repudiation**
Signing, authorization
- Highly secure**
Implements solution to authenticate the back-office
- Zero downtime, 24/7 availability**
Active/active, load balancing, low latency
- Multi CSM**
A single gateway to support the flows from multiple CSMs
- Rolling upgrade**
Ensuring easy ways to upgrade one instance while other can continue to process volume



Alliance Messaging Hub Instant Features



SWIFT's real-time, 24x7 Payment Orchestration Platform

Embedded Payment Choreography

Supports transaction flow management across business lines and channels (incl. "on us" transaction support)

Reconciliation

Provides a toolset to reconcile your instant payments around the clock.

Multi-CSM Multi-format

Supports any CSM format, can translate to & from formats required by customer applications. Maps messages as per CSM practices

Time out management

Supports multiple time outs and alarms if sub processes take to long

Alliance Messaging Hub Instant

Technical flow support

Duplicate checks, retry protocols, external service invocation

Single source of multi-CSM, multi-network reference data

Store & continuously update CSM Reference data (directory & routing information)

Zero downtime 24/7 availability

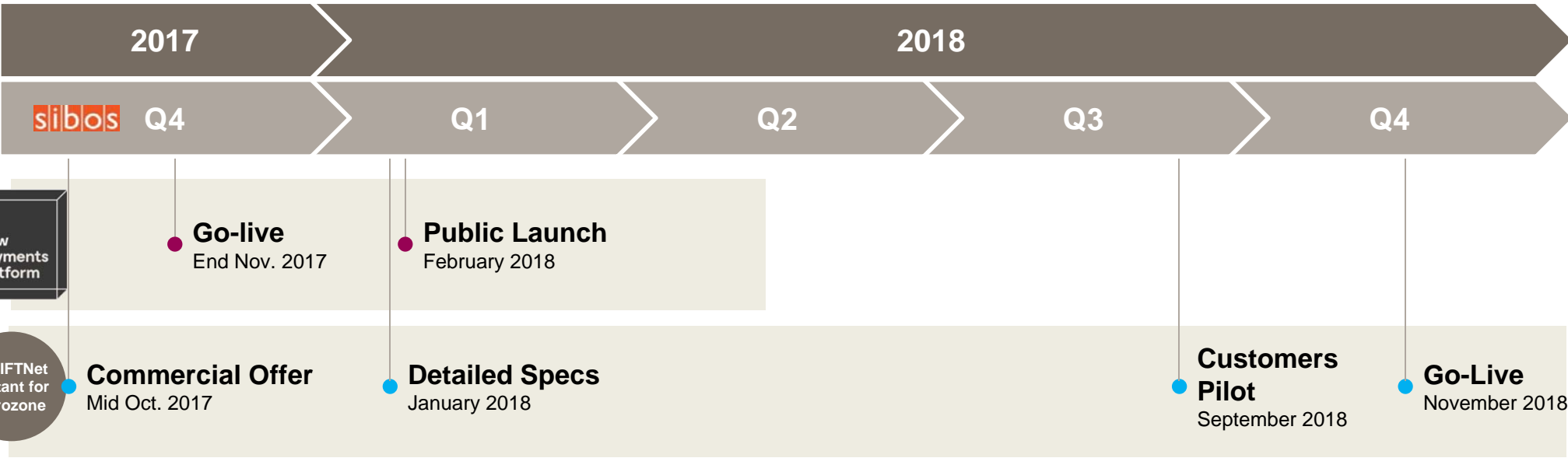
Active/active, load balancing, horizontal and vertical scalability

Stand-in module

Handling downtimes of adjacent systems



Timeline for SWIFTNet Instant messaging solution



New Payments Platform

SWIFTNet Instant for eurozone



Instant Payment Pricing

Alliance Gateway Instant (and AMH Inst*) – Configuration Examples

Pricing Principles

Facilitate ramp-up

- The price is driven by:
 - Traffic usage**, allowing for “start small – pay less”
 - Resiliency level**, (i.e. number of installed instances) allowing for a progressive configuration scale-up as volumes grow
- No** one-time fees
- No** additional charge for connecting to more than one CSM

Cater for predictability

- The price is structured according to pre-determined price **bricks** (defined according to the average daily volume), i.e. no fee/payment introducing uncertainties

Reward usage

- Decreasing unit price as volumes grow

Configuration example

	PROD		TEST
	Primary Site	Secondary Site	Test Environment
Entry Level <ul style="list-style-type: none"> Resiliency with Single Point of Failure 	AGI	AGI	AGI
± 5.000 pmt/day 45K €/y			

*Optional



Approach for Instant Payments adoption

When SWIFT can assist you and how

