

Bankgirot

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Bankgirot - We guarantee the flow

- Sweden's only clearing house for retail payments since 1959
- Owns and operate a solution for e-invoicing since 1999
- The platform for Sweden's dominating Electronic ID service (BankID) launched 2003
- Owns and operates the world's first "real" real time payments system since 2012

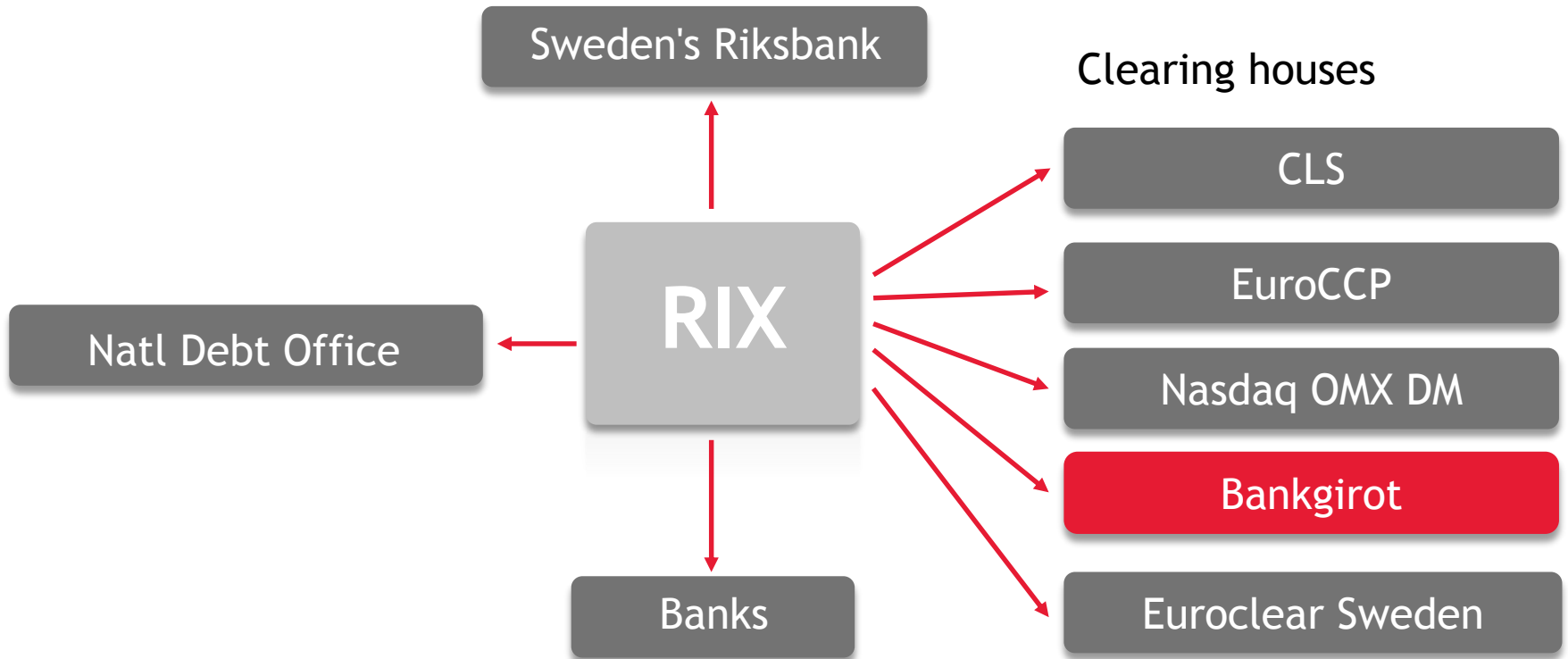
1959

1999

2003

2012

Bankgirot's position in the Swedish payment system



- The only organisation in Sweden licensed to conduct the clearing of retail payments.
- Bankgirot is licensed by the **Swedish Financial Supervisory Authority** and monitored by the **Riksbank** (Sweden's central bank)

As a clearing organisation Bankgirot is allowed

- ...to conduct Clearing operations
 - Bankgirot 's Clearing and Settlement Service
 - BiR Settlement Service
- ... which included the following Payment systems
 - The Bankgiro system
 - BiR (payments in real time)
- ... and Bankgirot has been granted additional licenses for
 - Electronic identification (PKI Services)
 - Bg-Electronic invoicing and Bg Scanning Solution

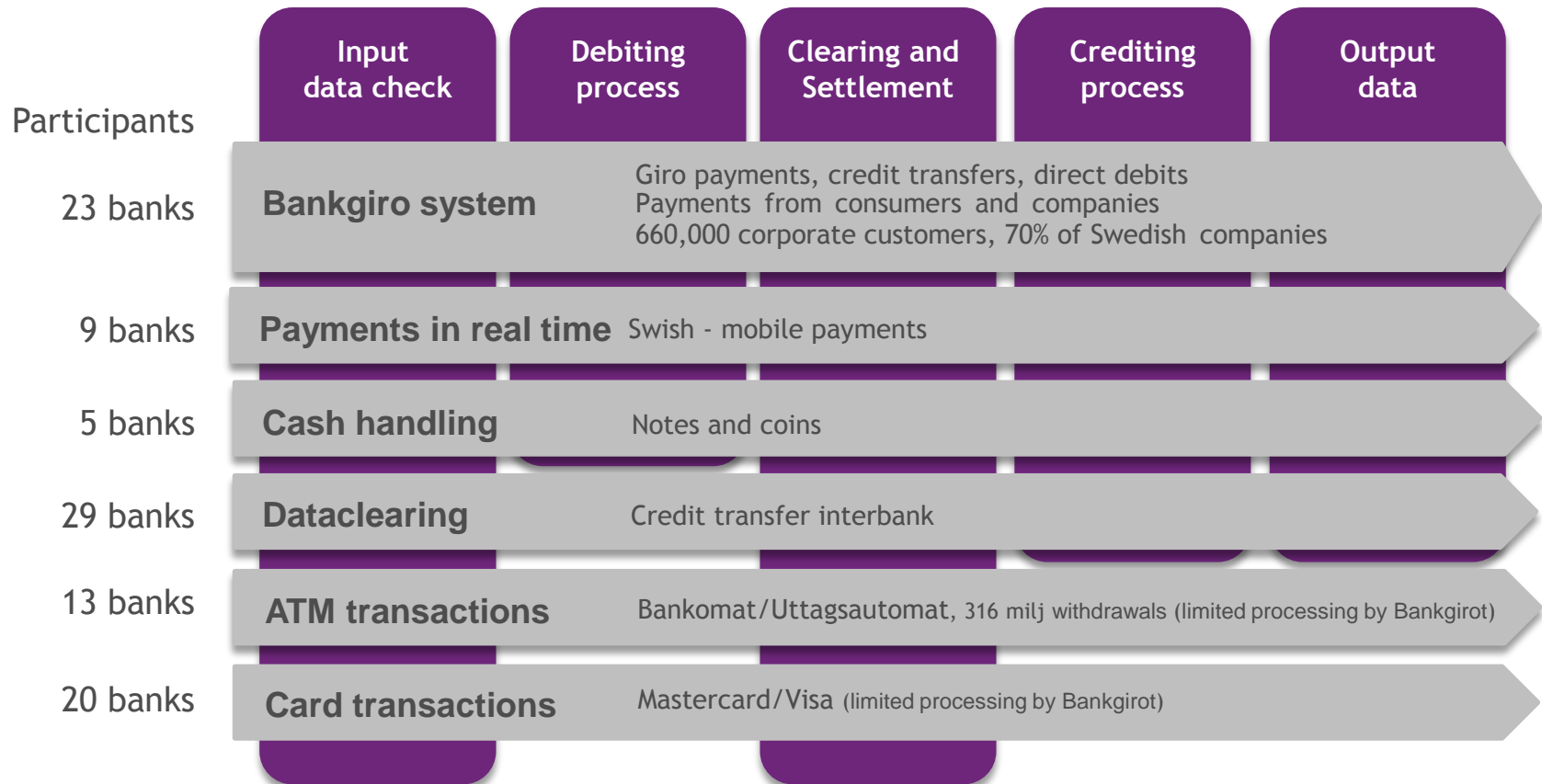
In brief

- **Position:** One of 25 clearing houses in Europe.
- **Customers:** Banks, other payment service providers and companies.
- **Owners:** SEB, Swedbank, Handelsbanken, Nordea, Danske Bank, Skandia and Länsförsäkringar. (81% of all lending to public in Sweden in 2014 according to Swedish Bankers statistics)
- **Board members:** 1 for the 5 largest banks, 1 for Skandia and Länsförsäkringar and 1 employee representative



We guarantee the flow

Payments between banks in Sweden are executed in Bankgirot's Clearing and Settlement Service



The Bankgiro system - open access and pricing



- The rules of access shall be
 - Objective
 - Non- discriminatory
 - Proportionate
- Authorised or registered payment service providers as defined in the Payment Services Directive (2007/64/EC) shall have access to the Bankgiro system.
- Pricing is cost based on system usage in order to be fair, pricing follow competition laws and be non-discriminatory
- Development is agreed with the Participants in User Forum, but decided and financed by Bankgirot

Participant criteria for Payment Systems

Criteria for participations published and available at www.bankgirot.se

Requirements for participation in Bankgirot 's Clearing and Settlement System and BiR Settlement System

- **Initial demand**
 - Institution according to the Swedish Securities Market Act and the Act for Settlement of Obligations on the Financial Market
 - Bankgirot 's Clearing information system or the equivalent
- **Financial demands**
 - Equity according to law
- **Technical demands**
 - Technically being able to connect
 - Criteria for technical demands
- **Demands regarding routines for risk management**
 - Criteria for risk management
- **Organisational demands**
 - Defined roles and staff educated regarding the scheme
- **Demands on products**
 - Being able to settle in currencies agreed 'with Bankgirot

Requirements for participation in the Bankgiro system and BiR

- **Initial demand**
 - Payment service provider according to Swedish law on payment services
 - Participate in Bankgirots Clearing- and Settlement Service / BiR Settlement Service, direct or indirect
- **Financial demands**
 - Equity according to law
 - Insurances
- **Technical demands**
 - Technically being able to connect
 - Criteria for technical demands
- **Demands regarding routines for risk management**
 - Criteria for risk management
- **Organisational demands**
 - Defined roles and staff educated regarding the scheme
- **Demands on accounts and products**

Payments in realtime (BiR)

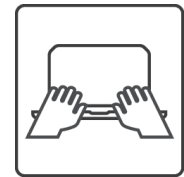
- Direct transfer and payment
- Always open (24/7/365)
- No credit risk between banks
- Built on modern international standard format
- A platform that allows a range of different payment flows
- Currency-independent and no amount limits
- Nine banks are participants
- Participation requirements



**Mobile
Payments**



E-commerce



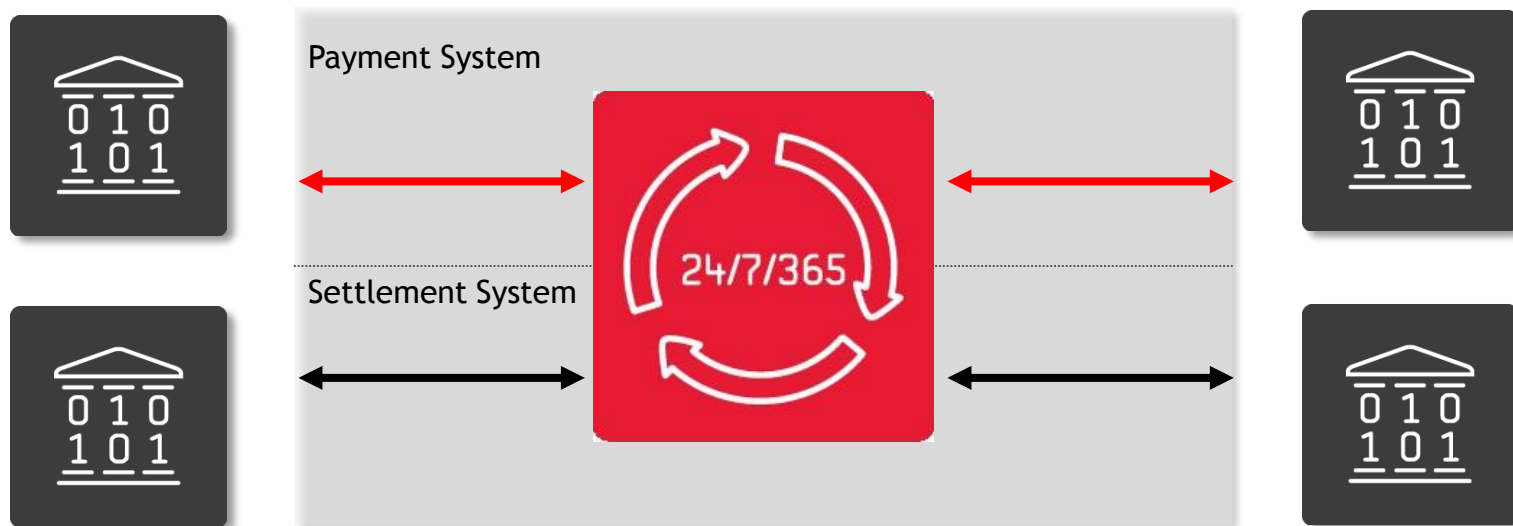
**Credit
transfers**



**Interbank
transfers**

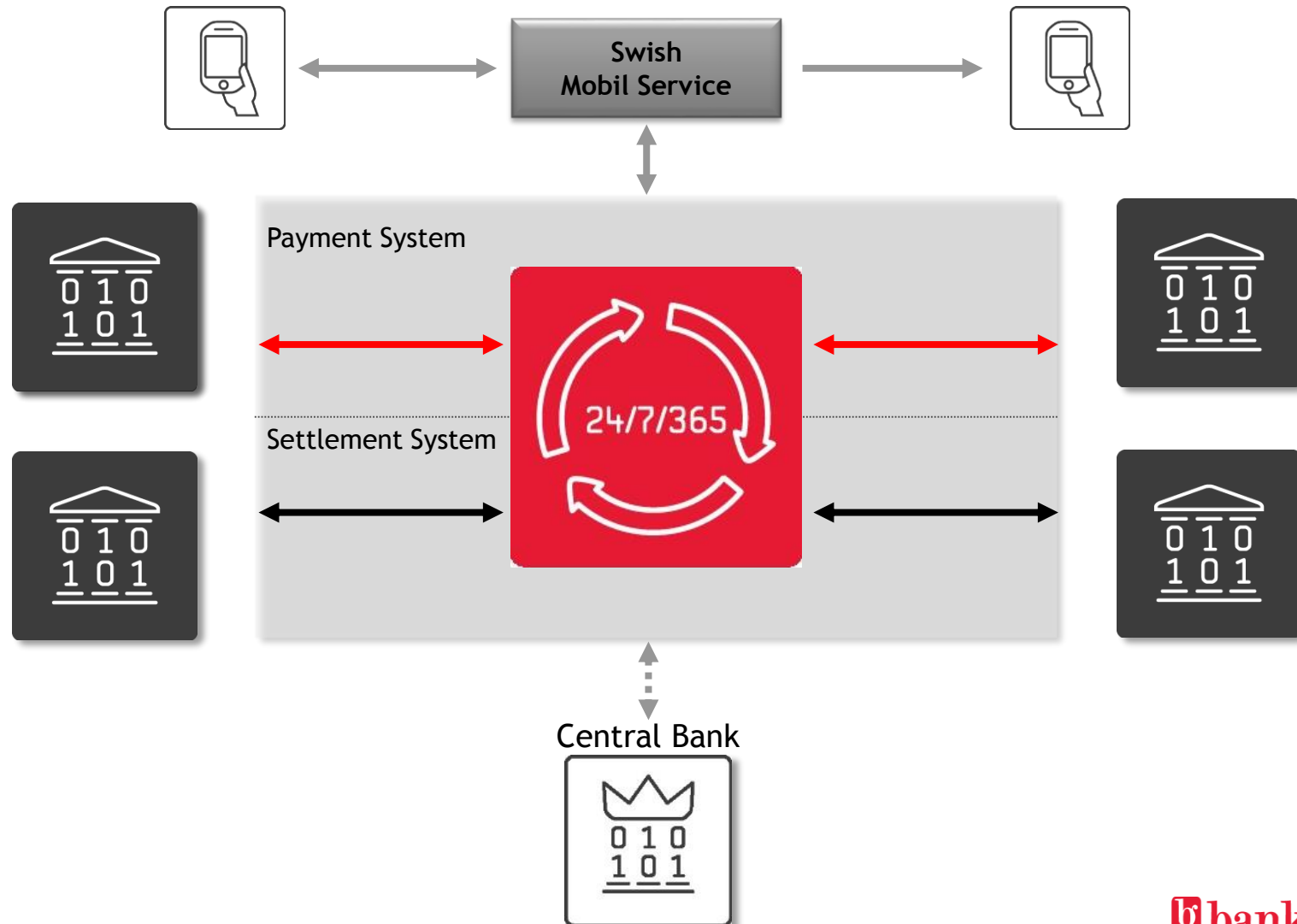
Payments in real time

Actors, layers and payment flows



Payments in real time

Actors, layers and payment flows





Questions?

Thank you for listening!
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