



EUROPEAN CENTRAL BANK

EUROSYSTEM

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ECB Money Market Statistical Reporting under ISO20022 standard

XBRL week

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Overview

- 1 MMSR overview
- 2 Automation and usage of standards
- 3 Reporting during the initial weeks
- 4 What can MMSR data tell us?
- 5 MMSR – website

- **The Eurosystem requires high-quality, granular and very timely data on euro money market in order to**
 - provide relevant & timely data on the monetary policy transmission mechanism
 - closely monitor monetary policy & financial developments
 - inform market participants on market functioning to allow informed choice amongst reference rates

- **Legal act**
 - MMSR Regulation ECB/2014/48 - adopted on *26.11.2014* and enforced *as of 1.01.2015*
 - Amending Regulation ECB/2015/30 - adopted on *10.09.2015*

- **Data collection**

- Four money market segments: secured, unsecured, FX Swaps and OIS
- Highest frequency: on a daily basis
- Highest level of granularity: transaction-by-transaction

- **Reporting population**

- The biggest 52 MFIs in the euro area

- **Timetable**

- First reporting as of *1 April 2016* with an interim period of 3 months
- Full reporting as of *1 July 2016*

- **Reporting window**

- Each TARGET2 settlement day: from 6:00 p.m. on T until 7:00 a.m. on T+1

- **Counterparties coverage**

- MFIs => i.e. interbank market



identified via LEI

- CCPs and supranational authorities

- Central Banks and General Government

- Pension Funds and Insurance Corporations



recorded via
ESA 2010 code

- “wholesale” NFCs classified as such by Basel 3 LCR

- **Typical transactions covered by MMSR**

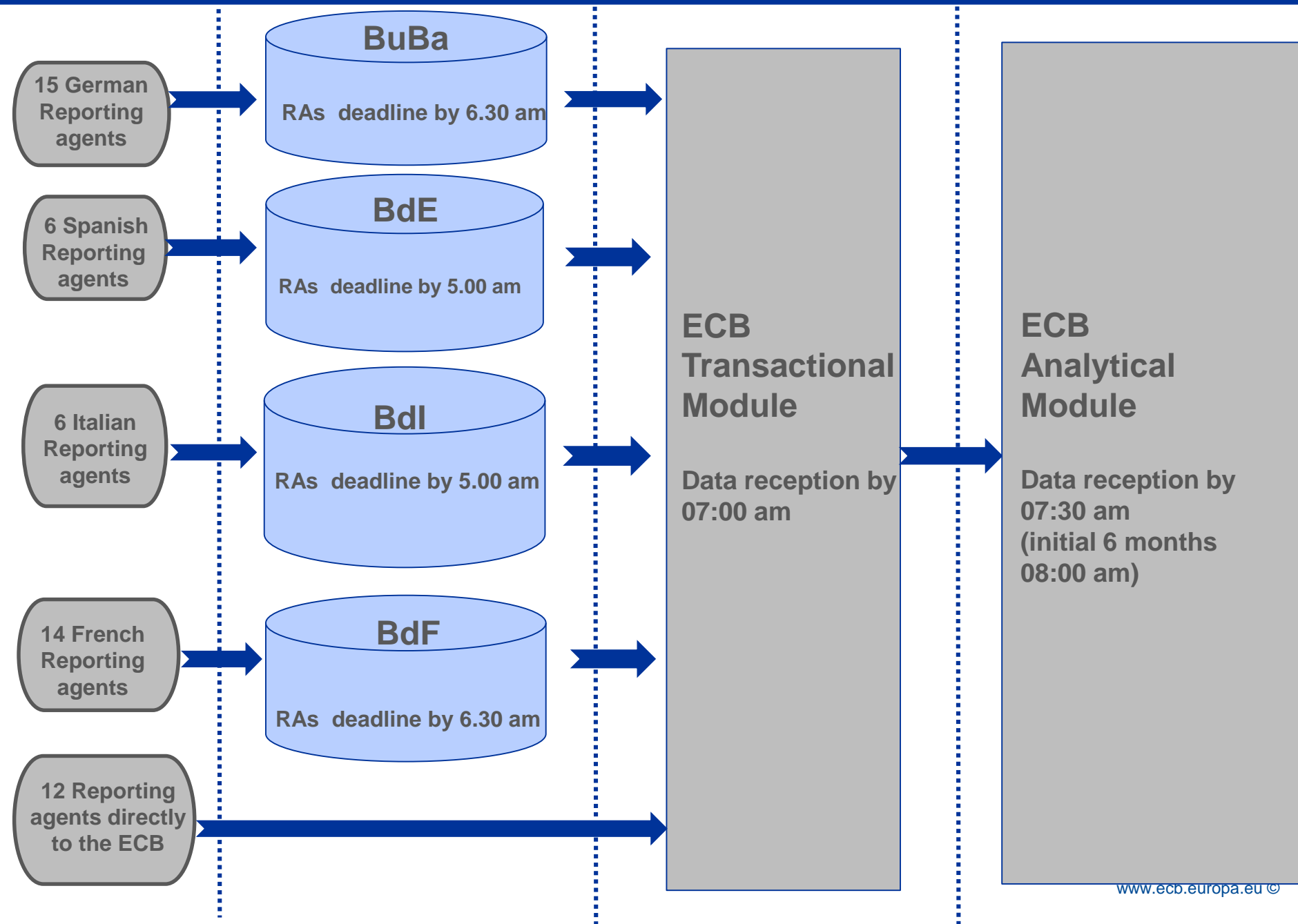
- Bank A borrows 7 mio EUR from an NFC via a repurchase agreement

- => transaction details including information on the collateral are reported

- Bank A conducts a Foreign Exchange Swap with Bank B selling €35 m vs JPY

- => transaction details including information on the Forward Points are reported

MMSR overview (4/4): Data flows



- **High-level of standardisation**

- Given the complex data flows a **high degree of automation** is required

to ensure an efficient and timely collection of the data

- In this respect the **usage of recognised standards** is essential

- Based on the **ISO20022 standard** and to enable the transmission of data by reporting agents to the NCBs/ECB, the ECB developed a **harmonised taxonomy** which is consistently applied in:

- MMSR Reporting Instructions
- Data Quality Checks
- MMSR XML schemas for reporting and feedback messages

- **MMSR ISO20022 XML messages**
 - MMSR XML-messages have been registered and approved by ISO, and are globally recognised as part of the ISO 20022 securities messages
 - Close cooperation with banking industry for development and registration of XML messages
 - NB. Bank of England uses the same ISO registered XML-messages for the *Sterling Money Market Daily* - SMMD

- **Data Quality Checks**

- Data Quality Checks applied automatically after data reception and **feedback message** immediately provided back to reporting agents
- Data Quality Checks cover
 - compliance with **formats**
 - **consistency** of the information
 - **plausibility** checks
- General data quality check for **all market segment**
such as unicity of the **proprietary transaction identification**
- Specific data quality checks implemented for each **market segment**

- **Strong interaction with the industry**

- Preparation of detailed **Reporting Instructions**, to ensure correct and common understanding among reporting agents
- 3 **mock-up data exercises** conducted in 2015 to test the understanding of the reporting framework and readiness of *Reporting agents*
- **Meetings with the banking industry**: four times
Dec. 2014, Feb. 2015, Dec. 2015, May 2016
- **Technical and business feedback** on a daily basis and upon request

- **Strong interaction with other data collections**

- Close coordination and cooperation with **SFT-DS** initiative and **EMIR**
- Exchange on technical level & coordination on **usage of ISO 20022 standards**

- ***Successful go-live as planned in the Regulation*** *on 1 April 2016*
- In this transition phase, reporting agents are already reporting data for several market segments
- More than *700,000 transactions* reported *by end May 2016*
 - *ca. 30,000 transactions* are received *per day*
 - *ca. 90% accepted* and 10% rejected
- Full reporting by 52 banks required *from 1 July 2016*

- **MMSR data provides information on several important aspects**
 - Evolution of the interest rates in the money markets
 - Transmission of the monetary policy signal
 - **Developments on the traded volumes**
 - Assessing the demand and supply of money in the euro area
 - Liquidity position of banks and the banking system
 - **Fragmentation of the market in the euro area**
 - **How banks are funding themselves and their funding needs**

- **Documentation:** www.ecb.europa.eu/stats/money/mmsr
 - Reporting Instructions
 - Data Quality Checks
 - Q&A
 - XML-schemas

The screenshot shows the ECB website page for Money Market Statistical Reporting (MMSR). The page layout includes the ECB logo and 'EUROSYSTEM' branding at the top left. A search bar with 'Google Custom Search' is located at the top center. The navigation menu at the top right includes 'About', 'Media', 'Explainers', 'Research & Publications', 'Statistics', 'The Euro', 'Monetary Policy', 'Payments & Markets', and 'Careers'. The breadcrumb trail reads: Home > Statistics > Monetary and financial statistics > Euro money market.

Statistics

- Key euro area indicators
- + Exchange rates
- **Monetary and financial statistics**
 - + Monetary statistics
 - Financial vehicle corporations
 - Investment funds
 - Insurance corporations and pension funds
 - + Surveys
 - + Bank interest rates
 - Long-term interest rates

Euro money market

Money market statistical reporting

The overall money market statistical reporting (MMSR) dataset is based on transaction-by-transaction data from a sample of EU reporting agents covering the secured, unsecured, foreign exchange swap and euro overnight index swap money market segments.

Objectives

1. achieve a better understanding of how money markets work and evolve, their changing patterns and, in particular, banks' funding in different segments;
2. provide more relevant and timely information on the monetary policy transmission mechanism, as well as better information on market expectations about the future trajectory of policy rates;

Related documents

- [Regulation ECB/2014/48](#)
- [Amending Regulation ECB/2015/30](#)
- [Reporting instructions](#)
- [IT appendix for reporting agents](#)
- [XML Schemas](#)
- [Web service description](#)
- [Data quality checks](#)
- [Q&A](#)

Reporting during the initial weeks (1/5)

- *Go-live started* as planned on 1 April 2016;
many reporting agents transmit market transactions on a daily basis
- *Quality and timeliness* of the data is high **for this stage of the endeavour**
ca. 90% of data accepted and over 80% transmitted on time
- However, some common errors across the market segments and some of the **Data Quality Checks** (DQC) are failing:
 - For secured and OIS segments the failed DQCs have steadily *decreased or remained stable over time*
 - For FX Swaps and unsecured a relative *increase* in the failed DQCs

Reporting during the initial weeks (2/5)

- **Successful go-live as planned in the Regulation** on 1 April 2016
- Reporting agents already report data for several segments on 23 May

Number of segments	Number of Reporting Agents
0 segment	0
1 segment	3
2 segments	5
3 segments	18
4 segments	26

Reporting during the initial weeks (3/5)

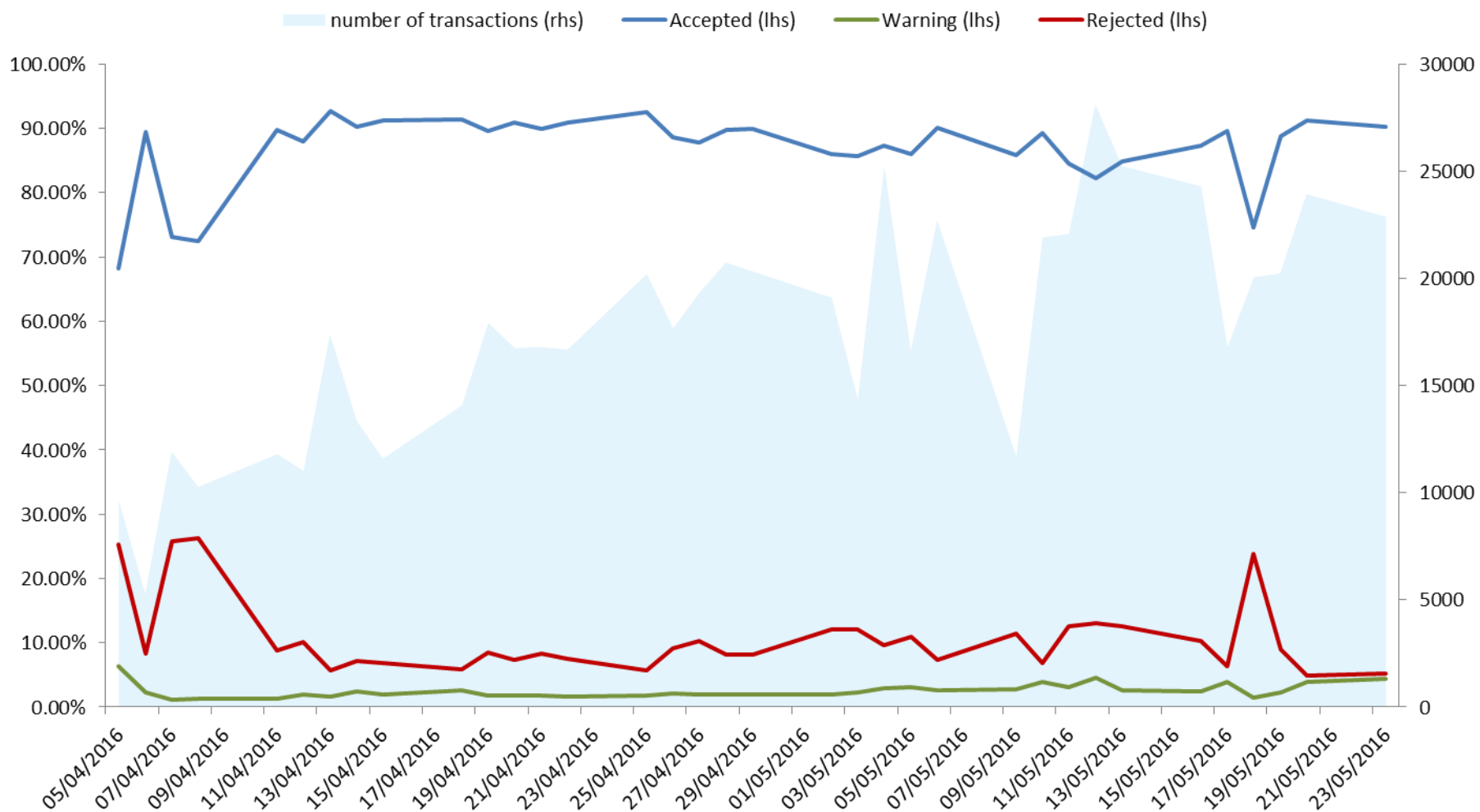
Number of transactions received by status

	Number of transactions				Percentage		
	Accepted	Warning	Rejected	Total	Accepted	Warning	Rejected
11-Apr	10,599	150	1,048	11,797	90%	1%	9%
18-Apr	12,873	373	826	14,072	91%	3%	6%
25-Apr	18,671	364	1,158	20,193	92%	2%	6%
02-May	16,423	365	2,312	19,100	86%	2%	12%
09-May	10,015	318	1,326	11,659	86%	3%	11%
16-May	21,217	588	2,485	24,290	87%	3%	10%
23-May	20,647	1,020	1,205	22,872	90%	5%	5%

Reporting during the initial weeks (4/5)

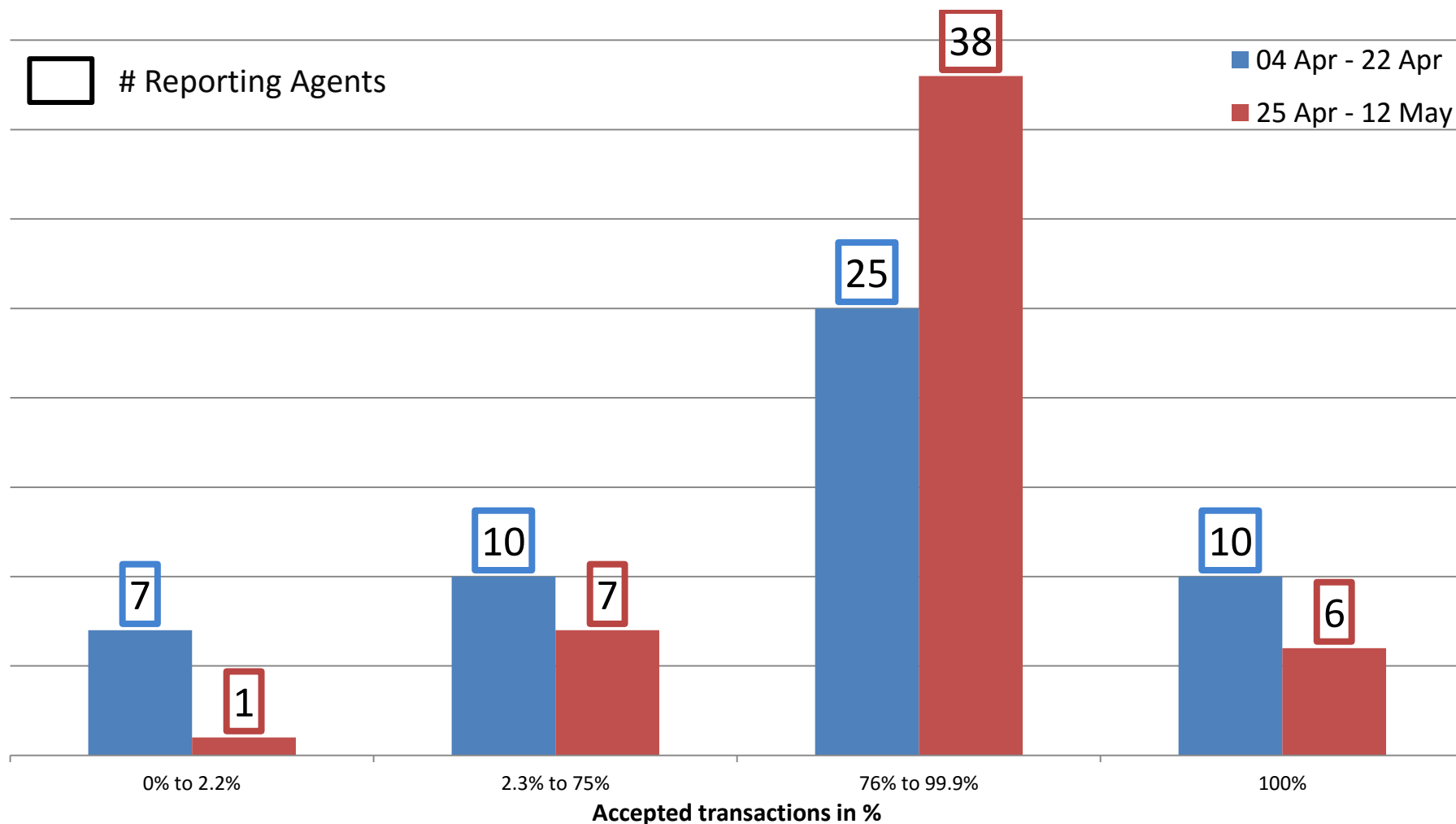
- Evolution during the initial weeks:

Percentage of accepted *stable around 90%*



Reporting during the initial weeks (5/5)

- Quality measured by ratio of accepted transactions, i.e. transactions received in the TM that successfully passed the automatic DQCs



Thank you!

