

OeKB CSD Participant Meeting

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Agenda

Host



Georg Zinner
Managing
Director

**Business Facts &
Figures**



Harald Seisenbacher
Relationship
Management
Issuers

**Project
Issuer Platform**



Kurt Kerschbaum
Director Accounts
& Settlement

**Wrap-Up
Settlement
Discipline**



Gerhard Frank
Director Asset
Servicing

**Project ECMS
SCoRE**



Christian Pinetz
Relationship
Management
Accounts

**Update SWIFT
ISO 20022
Roadmap**

1. Business Facts & Figures



Georg Zinner
Managing Director



1. Business Facts & Figures

Safekeeping as of 31.05.2022

(1/2)

Safekeeping		31.12.2020	31.12.2021	31.01.2022	28.02.2022	31.03.2022	30.04.2022	31.05.2022
Securities with a price as percentage of par in Euro million	Issuer CSD	347,129	391,991	401,793	404,792	416,165	410,271	421,823
	Investor CSD	11,353	9,123	8,941	8,865	8,854	8,831	8,773
Securities with a price per unit	Market value in Euro million	267,806	306,399	303,416	287,294	287,233	285,810	284,308
	Units in million	1,602	1,739	1,613	1,226	1,211	1,273	1,241
Number of securities categories	Issuer CSD	7,524	7,748	7,797	7,815	7,818	7,802	7,837
	Investor CSD	363	277	274	171	172	180	175
Number of securities categories	Issuer CSD	14,074	14,400	14,555	14,763	14,215	14,569	14,884
	Investor CSD	1,269	1,319	1,311	1,293	1,298	1,313	1,329

Account Holders		31.12.2020	31.12.2021	31.01.2022	28.02.2022	31.03.2022	30.04.2022	31.05.2022
Number of Account Holders	Domestic	49	46	46	46	46	46	46
	Non-domestic	25	26	26	26	26	26	26

1. Business Facts & Figures

Settlement as of 31.05.2022

(2/2)

Settlement		Monthly Average 2020	Monthly Average 2021	Monthly Average 2022	01/2022	02/2022	03/2022	04/2022	05/2022	Σ 01-05/2022
Number of transactions	Intra	126,392	137,465	144,128	140,874	136,797	177,292	126,209	139,470	720,642
	Cross/External	5,183	6,179	5,220	6,369	4,865	5,571	4,441	4,854	26,100
Settled volume in securities with a price as percentage of par in Euro million	Intra	44,083	52,167	60,531	61,287	48,176	67,423	61,060	64,707	302,653
	Cross/External	166	153	364	1,408	123	121	98	68	1,818

2. Project Issuer Platform



Harald Seisenbacher
Relationship Management
Issuers



2. Project Issuer Platform

A brief introduction to OeKB CSD's issuer platform – target audience: issuers' agents

- Summary
- Functions supported by the platform
- Advantages
- Timeline
- Platform architecture overview
- Core business processes
- Accessing the platform as a user

2. Project Issuer Platform

Summary

Objective:

Digitalization – Substitution/Simplification/Automation of the last remaining paper-based processes (Physical Global Certificates, PGC)

Realization:

via the OeKB CSD Issuer Platform

Means:

- Comprehensive use of the opportunities resulting from digital securities (Digital Global Certificates, DGCs)
- Implementation of dedicated functions (agents as function holders)

2. Project Issuer Platform

Functions supported by the platform

The issuer platform supports 5 interactive functions to control securities' lifecycles

- **Issuer IS** – the issuer of one or more securities => enabled to inspect securities' status
- **Transfer Agent – TA** – an accountholder with OeKB CSD that is empowered by one or more issuers to manage the lifecycle of one or more of their ISINs => enabled to issue securities in the issuer's name and manage them
- **Information Agent – IA** – a party empowered by one more issuers to notify OeKB CSD of upcoming (payment) events and on their respective attributes => enabled to add and update (payment) events
- **Corporate Action Agent – CA** – a party empowered by one more issuers to notify OeKB CSD of upcoming corporate actions and on their respective attributes => enabled to provide information on corporate actions
- **Paying Agent – PA** – a party empowered by one or more issuers to manage and perform payments in relation to their securities => enabled to flag, ... payments
- ...additional Information on the functions will be provided

2. Project Issuer Platform

Advantages

Direct bidirectional communication between issuer, agents and OeKB CSD, allowing for:

Additional **automated** and **structured** communication channels

Simplified, **streamlined processes** in the lifecycle of a

- DGC, comprising
 - Deposit
 - Income collection
 - Provision of corporate action information
- PGC, comprising
 - Income collection
 - Provision of corporate action information

2. Project Issuer Platform

Timeline

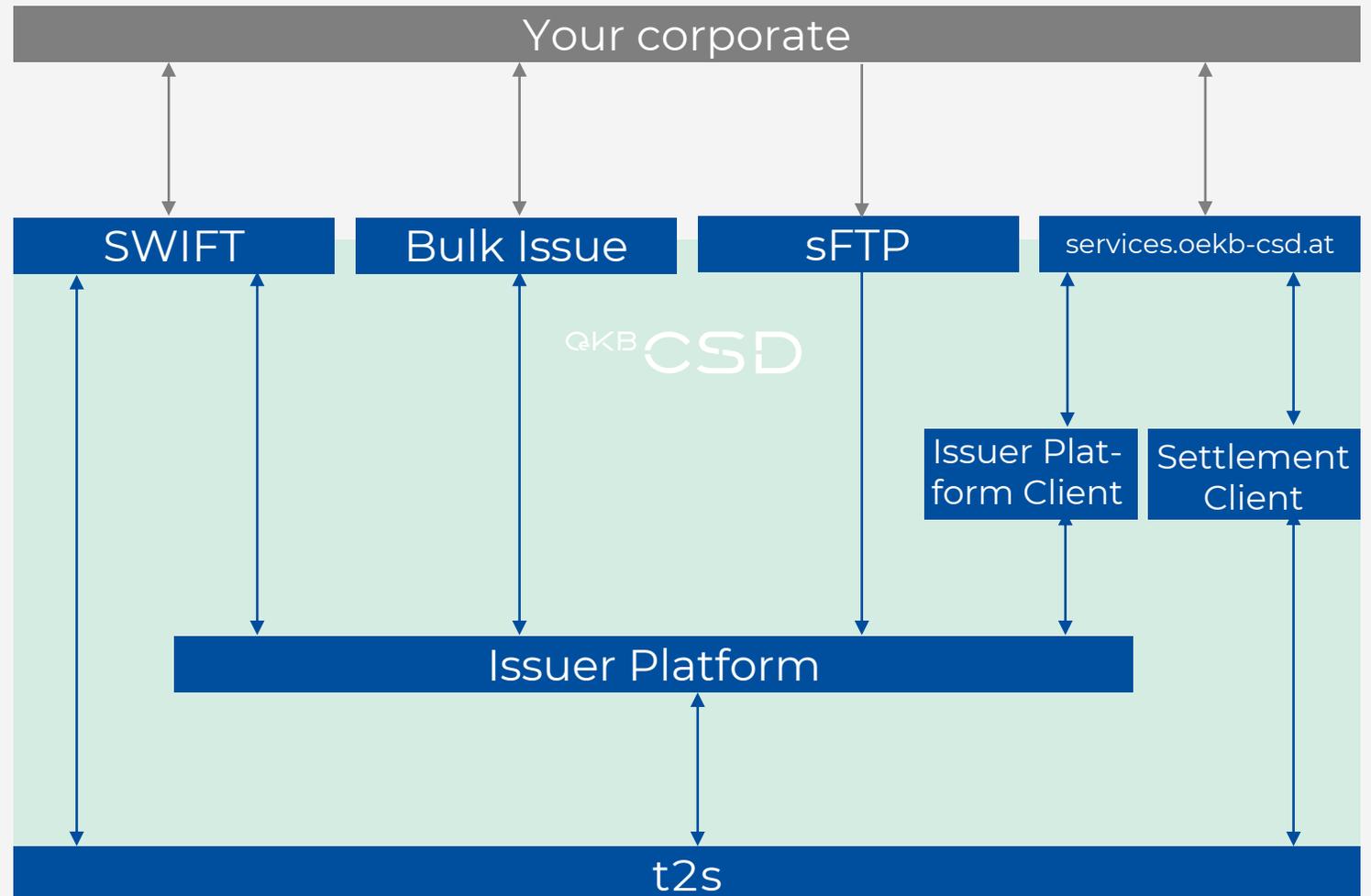
- January 2021: Start of Implementation Project
- March 2021: Stakeholder Onboarding
- Currently: Implementation and Solution Adoption
- June 2022: Begin of Market Testing
- September 2022: Planned Go-Live

2. Project Issuer Platform

Platform architecture overview - Multiple channels >>> one platform

There are four main channels to interface with the Issuer Platform

- For human actors: browser-based user interface as described on the previous slides
- For automation: technical interfaces for selected services:
 - SWIFT ISO 15022 and ISO 20022 for instructing quantity changes to existing securities
 - Bulk Issue interface (sFTP as well as webservice) to efficiently perform high cardinality bulk-issues
 - sFTP to provide and update terms and conditions
- All automated interface functionality (with the exception of the bulk-issue and the change of terms & conditions) is also available via the user interface



2. Project Issuer Platform

Core business processes
Multiple processes >>> one platform

Self-service core processes

- 1. Issue a digital security
- 2. Bulk-issue digital securities
- 3. Change quantity of an existing security
- 4. Change fund terms & conditions

5. Provide information to event / action

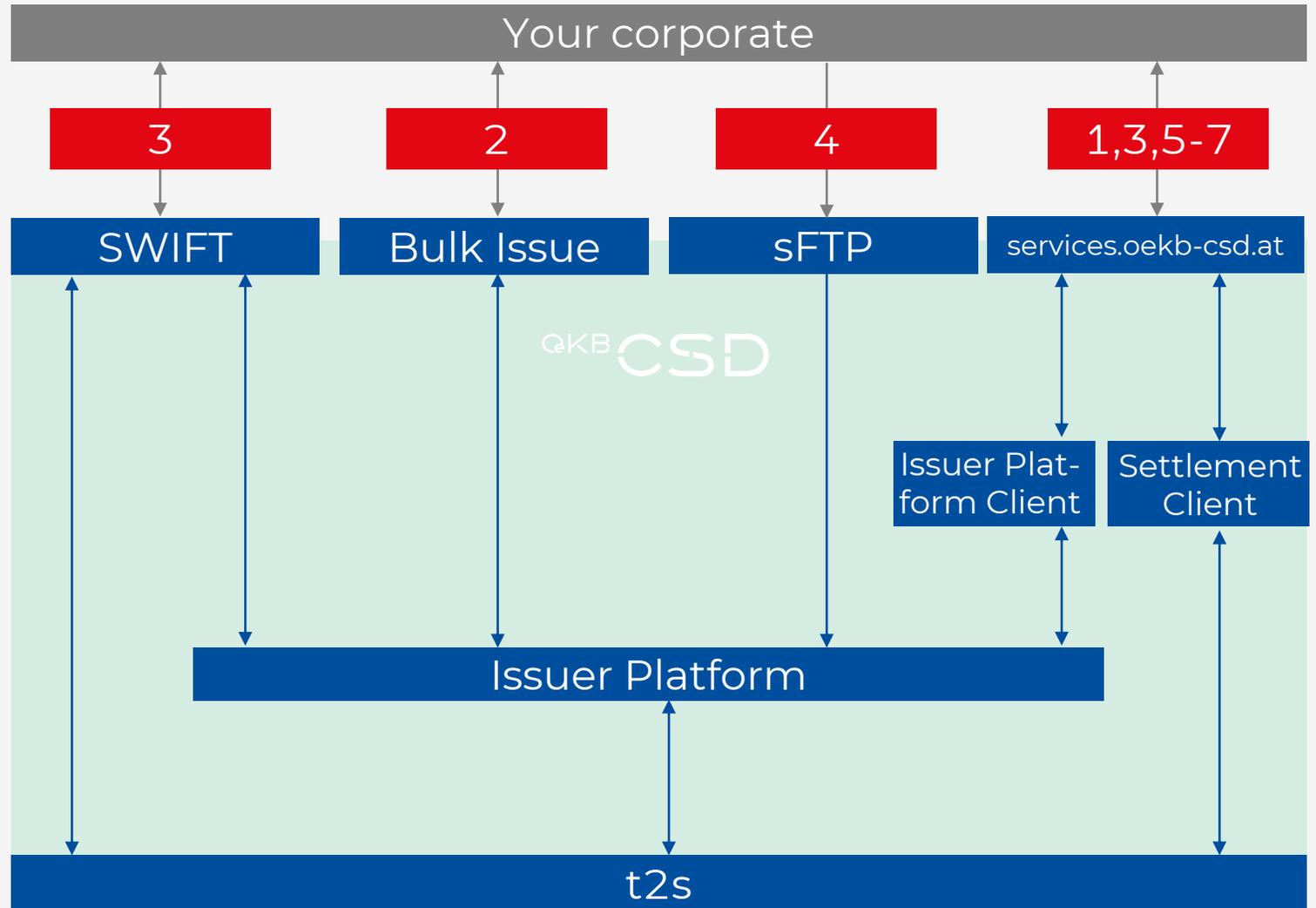
6. Manage payment

Self-service support processes

7. Maintain users and permissions

Supervised processes (outside Platform)

- 8. Issue / deposit a physical security
- 9. Withdraw a physical security



2. Project Issuer Platform

Accessing the platform as a user
Access using a browser via OeKB CSD's central service portal

(1/3)

- Central service portal: <https://services.oekb-csd.at/csd-services/>
 - Two-factor authentication required („LOGIN WITH RSA/SMS TOKEN“)
 - Issuer Services tile (see on the right side): blue text on bottom of tile is a link to the Issuer Platform
 - Your corporate has to have been granted access to the Issuer Platform
 - If you see , you – as a user of said corporate – do have access
 - If you see , your corporate admin has to grant access to you

The following permission is required:

Berechtigung ▼
IssuerClient Test: User Login

Issuer Services

Issuing made easy. Our intuitive application enables you to create digital securities, to transmit all necessary information for custody services and to process payments due.



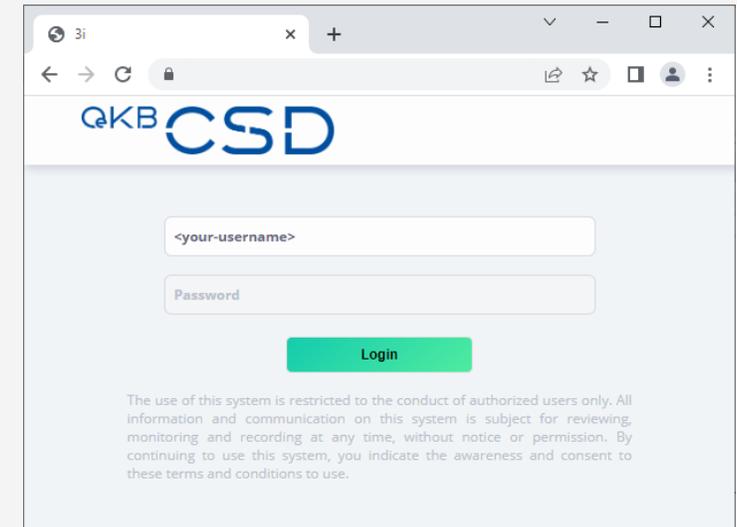
 ISSUER SERVICES - TESTSYSTEM

2. Project Issuer Platform

Accessing the platform as a user
Access using a browser via OeKB CSD's central service portal

(2/3)

- You can now log into the Issuer Platform system:
 - Your username is prepopulated
 - Your initial password will be provided by your corporate admin
 - For support, contact sonja.taghipour@oekb-csd.at
- A ribbon  on top of the window indicates that you are in the test environment (connected to t2s SIMU)
- If there is **no ribbon** on top of the window, **you are in the production environment** (connected to t2s PROD)

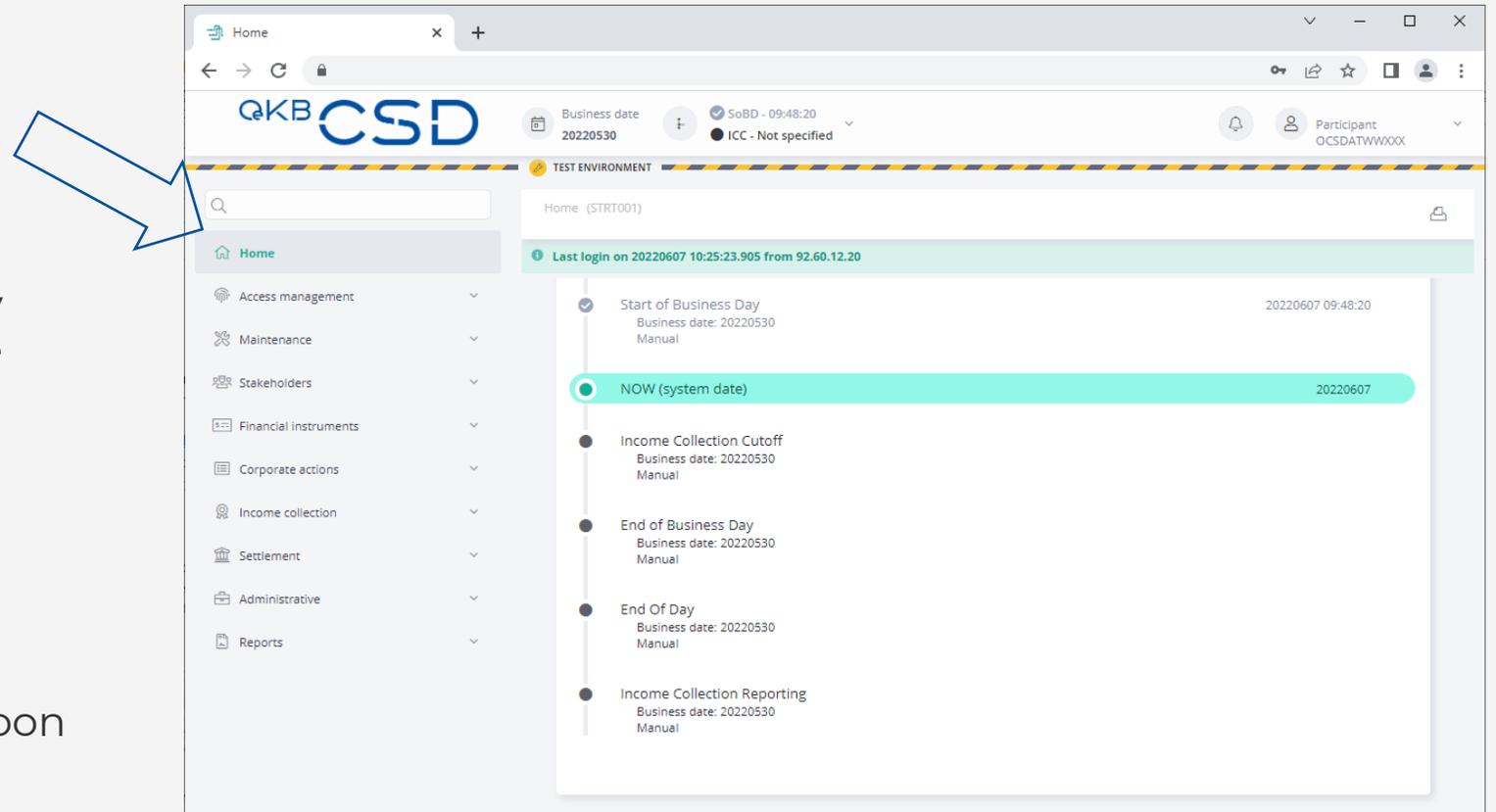


2. Project Issuer Platform

Accessing the platform as a user
Access using a browser via OeKB CSD's central service portal

(3/3)

- You can now use the menu tree on the left side of the window to navigate the application
- Take care **not to use your browser's back-button** but to use the navigation buttons provided by the application. The behavior of the browser's back button in general is undefined...
- Your menu tree will look differently depending on your **role** and the **permissions** granted to you
- Further documentation available soon



3. Wrap-Up Settlement Discipline



Kurt Kerschbaum
Director Accounts &
Settlement



3. Wrap-Up Settlement Discipline

European working progress

- Enter into force with 1st February 2022
 - One exception: → ESMA proposal to suspend Buy-In Regime for three years
 - Successful Go-Live in Austria with very few short-term work arounds
- Issues:
 - Cross-industry task forces
 - Reference Data
 - Messaging Standards
 - Monthly Calendar

3. Wrap-Up Settlement Discipline

Austrian Key Figures – Penalty Mechanism

- Settlement Fails Penalties:
 - 16.000 Penalties per month
 - EUR 700.000 per month

4. Project ECMS / SCoRE



Gerhard Frank
Director Asset Servicing



4. Project ECMS / SCoRE

SCoRE Rulebook / Standards

(1/2)

- The SCoRE Rulebook presents a single set of business processes/workflows, data elements and messaging for CA and meeting events identified as relevant to securities issued in (I)CSDs in Europe. The SCoRE CA Standards refer to the detailed description of business processes and workflows.
 - On 3rd January 2022 the ECB has published the updated SCoRE Corporate Actions Rulebook. The full document can be found here → https://www.ecb.europa.eu/paym/intro/publications/pdf/amiseco202112_corporateevents.en.pdf
 - 15 SCoRE CA Standards
 - Standard 1: Harmonised business processes and workflows for corporate actions
 - Standard 2: Provision of data necessary for calculating proceeds
 - Standard 3: Consistency of information provided by issuer (I)CSDs, investor (I)CSDs and custodians
 - Standard 4: Rounding rules
 - Standard 5: Negative cash flows
 - Standard 6: Business day rule

4. Project ECMS / SCoRE

SCoRE Rulebook / Standards

(2/2)

- 15 SCoRE CA Standards (continued)
 - Standard 7: Securities amount data
 - Standard 8: Payment time
 - Standard 9: Notification of processing status
 - Standard 10: Elective events
 - Standard 11: Availability of default options
 - Standard 12: Handling of fees for meeting events
 - Standard 13: Reversal of a corporate action
 - Standard 14: Processing of foreign currency payments
 - Standard 15: ISO 20022 messages for corporate actions

4. Project ECMS / SCoRE

Implementation

(1/2)

- Implementation ECB
 - The SCoRE CA Standards should be implemented by all actors involved in the processing of CA and meeting events.
 - Implementation of Standards 1 to 14 is mandatory for all actors involved in the processing of CA and meeting events by November 2023 with the exception of those events deemed relevant to non-debt instruments only as part of Standards 2 and 3 and for which an ultimate implementation deadline of November 2025 applies.
 - For Standard 15 – implementation of ISO 20022 messaging – a two-wave approach has been agreed by AMI-SeCo:
 - In Wave 1 (I)CSDs, Eurosystem central banks and Eurosystem counterparties will implement ISO 20022 messaging by November 2023. Other actors involved in the processing of CA and meeting events will then adopt ISO 20022 messaging as part of Wave 2, which has an implementation deadline of November 2025.

4. Project ECMS / SCoRE

Implementation

(2/2)

- Implementation in Austria
 - CANIG (Corporate Action National Implementation Group)
 - Ongoing discussions to have a common understanding
 - Still waiting for clarifications from ECB on raised questions concerning different standards
 - Austrian SMPG Working Group for switch from SWIFT ISO 15022 to ISO 20022 format

5. Update SWIFT ISO 20022 Roadmap



Christian Pinetz

Relationship Management
Accounts



5. Update SWIFT ISO 20022 Roadmap

New Working Group under AT SMPG Umbrella

- The Austrian SMPG established a new working group to deal with the Migration of ISO 15022 to ISO 20022
- What is SMPG?
 - The Securities Market Practice Group (SMPG) is an initiative of capital market participants that prepares and publishes market practice rules on the basis of the SWIFT standards ISO 15022 and ISO 20022.
 - The global SMPG was set up by SWIFT in 1998. In November 2002, the Austrian SMPG (SMPG A) was established in cooperation with Austrian banks by OeKB's management at that time. Today, OeKB CSD has taken on this role.
 - To date, national SMPGs have been instituted in more than 40 member states in America, Europe, Asia and Australia.

5. Update SWIFT ISO 20022 Roadmap

Scope of the Working Group

Scope of the Working Group

- The aim of the working group is to develop a migration plan for the Austrian market taking into account the Austrian requirements for a harmonized migration to the new SWIFT standard ISO 20022.
- First Meeting took place
 - 20th June 2022
 - Next Meeting planned 7th November 2022

5. Update SWIFT ISO 20022 Roadmap

Current Participants

- Bankhaus Spängler AG
- BAWAG PSK AG
- Erste Group Bank AG
- OeNB
- Raiffeisen Centrobank AG
- Raiffeisenlandesbank Oberösterreich AG
- Raiffeisenlandesbank Steiermark AG
- RBI AG
- SDS GmbH
- UniCredit Bank Austria AG
- Volksbank Wien AG

5. Update SWIFT ISO 20022 Roadmap

Business Area and SWIFT Categories

- OTC Settlement (CAT5)
 - DvP
 - FoP
 - Reporting
- Asset Servicing (CAT5)
 - Dividend Payments, Coupon Payments, Redemptions and any other Cash proceeds
 - Corporate Actions
- Notary Services (CAT5)
 - Increase/Decrease Global Certificate
 - Disclosure Requests (SRDII)
 - Income Collection Paying Agent
- Payments (CAT2/CAT9)
 - B2B Transfer
 - Cash Account Reporting

5. Update SWIFT ISO 20022 Roadmap

Timeline I

TIMELINE/ROADMAP		Per now		Per 09/2022 (Issuer Platform)		
Business Area	Customer	Instruction/Confirmation/Information	ISO 15022	ISO 20022	ISO 15022	ISO 20022
OTC Settlement	Securities Account Holders	Intra (FOP/ DVP EUR)	Yes	Yes (only DCP)	Yes	Yes (only DCP)
		Intra (DVP Non EUR)	Yes	No	Yes	No
		Cross	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)
		External (only FOP)	Yes	No	Yes	No
		Physical Deposit/Withdrawl	Yes	No	discontinued	
		Intra Position Movement	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)
		Penalty Report	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)
		Statement of Holding	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)
		Statement of Transactions	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)
		Mapping OeNB/DCA Kontoauszug	Yes	No	Yes	No
Cash Administration	Securities Account Holders	Billing				
		Cash Instruction	Yes	No	Yes	No
		Cash Confirmation	No	No	No	No
Asset Servicing	Securities Account Holders	Cash Account Statement	Yes	No	Yes	No
		Coporate Actions Info/Conf	Yes	No	Yes	No
		Coporate Actions Instr	Yes	No	Yes	No
		General Meetings (SRD2)	No	Yes	No	Yes
Notary Services & Safekeeping	Issuer/ Agent	Disclosure Request (Out)	No	Yes	No	Yes
		Physical Increase/Decrease	Yes	No	Yes	Yes
		Disclosure Request by Issuer (In)	No	Yes (non CUG)	No	Yes (non CUG)
		Info CA by Issuer (non Disclosur R)	Yes	No	Yes	Yes
		Income Collection				

5. Update SWIFT ISO 20022 Roadmap

Timeline II

TIMELINE/ROADMAP			Per now		Per 11/2022 (T2-T2S Con.)	
Business Area	Customer	Instruction/Confirmation/Information	ISO 15022	ISO 20022	ISO 15022	ISO 20022
OTC Settlement	Securities Account Holders	Intra (FOP/ DVP EUR)	Yes	Yes (only DCP)	Yes	Yes (only DCP)
		Intra (DVP Non EUR)	Yes	No	Yes	No
		Cross	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)
		External (only FOP)	Yes	No	Yes	No
		Physical Deposit/Withdrawl	Yes	No		
		Intra Position Movement	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)
		Penalty Report	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)
		Statement of Holding	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)
		Statement of Transactions	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)
		Mapping OeNB/DCA Kontoauszug	Yes	No	discontinued	
Cash Administration	Securities Account Holders	Cash Instruction	Yes	No	Yes	Yes
		Cash Confirmation	No	No	No	Yes
		Cash Account Statement	Yes	No	Yes	Yes
Asset Servicing	Securities Account Holders	Coporate Actions Info/Conf	Yes	No	Yes	No
		Coporate Actions Instr	Yes	No	Yes	No
		General Meetings (SRD2)	No	Yes	No	Yes
		Disclosure Request (Out)	No	Yes	No	Yes
Notary Services & Safekeeping	Issuer/ Agent	Physical Increase/Decrease	Yes	No	Yes	Yes
		Disclosure Request by Issuer (In)	No	Yes (non CUG)	No	Yes (non CUG)
		Info CA by Issuer (non Disclosur R)	Yes	No	Yes	Yes
		Income Collection				

5. Update SWIFT ISO 20022 Roadmap

Timeline III

TIMELINE/ROADMAP			Per now		Per Q2/2023 (M12/Issuer Platform+)		Per 11/2023 (ECMS)	
Business Area	Customer	Instruction/Confirmation/ Information	ISO 15022	ISO 20022	ISO 15022	ISO 20022	ISO 15022	ISO 20022
OTC Settlement	Securities Account Holders	Intra (FOP/ DVP EUR)	Yes	Yes (only DCP)	Yes	Yes (only DCP)	Yes	Yes (only DCP)
		Intra (DVP Non EUR)	Yes	No	Yes	No	Yes	No
		Cross	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)
		External (only FOP)	Yes	No	Yes	No	Yes	No
		Physical Deposit/Withdrawl	Yes	No				
		Intra Position Movement	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)
		Penalty Report	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)
		Statement of Holding	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)
		Statement of Transactions	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)	Yes	Yes (Only DCP)
		Mapping OeNB/DCA Kontoauszug	Yes	No				
Cash Administration	Securities Account Holders	Billing					No	Yes
		Cash Instruction	Yes	No	Yes	Yes	Yes	Yes
		Cash Confirmation	No	No	Yes	Yes	Yes	Yes
		Cash Account Statement	Yes	No	Yes	Yes	Yes	Yes
Asset Servicing	Securities Account Holders	Coporate Actions Info/Conf	Yes	No	Yes	Yes	Yes	Yes
		Coporate Actions Instr	Yes	No	Yes	Yes	Yes	Yes
		General Meetings (SRD2)	No	Yes	No	Yes	No	Yes
		Disclosure Request (Out)	No	Yes	No	Yes	No	Yes
Notary Services & Safekeeping	Issuer/ Agent	Physical Increase/Decrease	Yes	No	Yes	Yes	Yes	Yes
		Disclosure Request by Issuer (In)	No	Yes (non CUG)	No	Yes (non CUG)	No	Yes (non CUG)
		Info CA by Issuer (non Disclosur R)	Yes	No	Yes	Yes	Yes	Yes
		Income Collection					Yes	Yes

5. Update SWIFT ISO 20022 Roadmap

Timeline IV

TIMELINE/ROADMAP			Per now		Per Q4/2023 (Settlement Client)		Per 11/2025 End of Parallel Run	
Business Area	Customer	Instruction/Confirmation/ Information	ISO 15022	ISO 20022	ISO 15022	ISO 20022	ISO 15022	ISO 20022
OTC Settlement	Securities Account Holders	Intra (FOP/ DVP EUR)	Yes	Yes (only DCP)	Yes (ICP)	Yes (DCP&ICP)	No	Yes (DCP&ICP)
		Intra (DVP Non EUR)	Yes	No	Yes (ICP)	Yes (ICP)	No	Yes (ICP)
		Cross	Yes	Yes (Only DCP)	Yes (ICP)	Yes (DCP&ICP)	No	Yes (DCP&ICP)
		External (only FOP)	Yes	No	Yes (ICP)	Yes (ICP)	No	Yes (ICP)
		Physical Deposit/Withdrawal	Yes	No				
		Intra Position Movement	Yes	Yes (Only DCP)	Yes	Yes (DCP&ICP)	No	Yes (DCP&ICP)
		Penalty Report	Yes	Yes (Only DCP)	Yes	Yes (DCP&ICP)	No	Yes (DCP&ICP)
		Statement of Holding	Yes	Yes (Only DCP)	Yes	Yes (DCP&ICP)	No	Yes (DCP&ICP)
		Statement of Transactions	Yes	Yes (Only DCP)	Yes	Yes (DCP&ICP)	No	Yes (DCP&ICP)
		Mapping OeNB/DCA Kontoauszug	Yes	No				
Cash Administration	Securities Account Holders	Billing			No	Yes	No	Yes
		Cash Instruction	Yes	No	Yes	Yes	No	Yes
		Cash Confirmation	No	No	Yes	Yes	No	Yes
		Cash Account Statement	Yes	No	Yes	Yes	No	Yes
Asset Servicing	Securities Account Holders	Coporate Actions Info/Conf	Yes	No	Yes	Yes	No	Yes
		Coporate Actions Instr	Yes	No	Yes	Yes	No	Yes
		General Meetings (SRD2)	No	Yes	No	Yes	No	Yes
		Disclosure Request (Out)	No	Yes	No	Yes	No	Yes
Notary Services & Safekeeping	Issuer/ Agent	Physical Increase/Decrease	Yes	No	Yes	Yes	No	Yes
		Disclosure Request by Issuer (In)	No	Yes (non CUG)	No	Yes (non CUG)	No	Yes (non CUG)
		Info CA by Issuer (non Disclosur R)	Yes	No	Yes	Yes	No	Yes
		Income Collection			Yes	Yes	No	Yes

6. Any Other Business (AOB)



Georg Zinner
Managing Director





Thank you for your kind attention!

OeKB CSD GmbH

Strauchgasse 3
1010 Wien

T +43 1 53127-2100
F +43 1 53127-4100
csd@oekb-csd.at

www.oekb-csd.at