



## 2023 ISSA & ECSDA Survey of ISO 20022

Welcome to the 2023 ISSA & ECSDA ISO 20022 Survey

**The aim of this survey is to capture ISSA & ECSDA membership views on ISO 20022 adoption in the Securities Services industry. This is the second biennial survey designed to capture views on ISO 20022, the report from the 2020 survey can be found [here](#).**

**ISSA & ECSDA are aware of several initiatives across the globe that mandate the use of ISO 20022 for specific transaction flows, and the payments migration end date is now two years closer to delivery.**

**In the 2020 Survey Corporate Actions and APIs were highlighted as two focus areas and so they are more specifically highlighted below. The hypothesis is that the attitudes to and implementation of ISO 20022 may have changed in the last two years and so we would like your input to understand whether this is true. The completion of the survey benefits both the industry and the contributors as you will influence the direction of the industry response.**

**The responses can either be from the "House view", or if the firm's Securities Services and Asset Management Division differ in their views then the survey should be responded to twice.**

**Your input will be collated anonymously and used to gauge the possible paths that the Working Group will recommend.**

**Thank you in advance for participating. Should you have any questions please reach out to [colin.parry.issa@six-group.com](mailto:colin.parry.issa@six-group.com) if you are an ISSA member or [info@ecsda.eu](mailto:info@ecsda.eu) if an ECSDA Member.**

## 2023 ISSA & ECSDA Survey of ISO 20022

### Entity & Personal Profile

1. What type of Institution are you representing?

- Universal Bank
- Custodian Bank
- Investment Bank
- Asset Manager
- Broker
- Market Infrastructures
- (I)CSD
- Technology provider
- Management Consultant
- Other e.g. Trade Association (please specify)

2. What is your securities business coverage?

- Global
- Regional
- Local / Domestic Market

3. What is your annual volume of transaction flow in securities settlements?

- 0 - 500k
- 500k - 5 million
- 5 mill - 10 million
- > 10 million
- None as a provider to others

4. Which region are you based in?

- Asia
- Africa and Middle East
- Europe
- Central and South America
- North America

5. Your email (Optional so we can provide you with the results and follow up if further questions). This will only be used for purposes of the survey.

## 2023 ISSA & ECSDA Survey of ISO 2022

### Usage and Readiness

6. For all the areas below, please tell us where you use ISO 2022 messaging. Where ISO 2022 is used, please indicate what is driving this (multiple boxes can be ticked) and finally if usage has increased since 2020

	Is ISO 2022 currently used	Use market infrastructures driven	Use client demand driven	Use regulation driven	Has usage increased since 2021?
Settlements and Reconciliation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Corporate Actions and Income	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
General meetings & Proxy Voting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tax Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Account Opening and Maintenance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Collateral Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Funds Processing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Regulatory Reporting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shareholder disclosures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7. If adoption is driven by market infrastructure or regulatory change please give the explicit market or regulation

8. In the markets in which you operate are you aware of ongoing/planned initiatives (regulator or FMI) that will increase the usage of ISO 2022?

9. Please answer this question (if you would prefer to add more detail then click "continue" at Q34 which will allow you to provide the answer by product line).

Where do you currently use ISO 20022 i.e. with which market participants?

	Yes	Mandatory use	Not applicable
Participant (Custodian or other) to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Market Infrastructure to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Client/Investor to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Client/Investor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Investment Bank/Broker dealer to Custodian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internal systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data Vendors e.g. Bloomberg	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utilities e.g. Omgeo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Third party providers e.g. Broadridge Proxy Services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

10. Do you have plans to materially increase your use of ISO 20022 for Securities messages in the next 3 years?

	Within the next year	Within the next 3 years	No new development planned	Do not know
Settlements and Reconciliation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Corporate Actions and Income	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
General meetings & Proxy Voting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tax Management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Account Opening and Maintenance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collateral Management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Funds Processing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regulatory Reporting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shareholder Disclosures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

11. Do you have the capability to use ISO 20022 in your core systems and is it switched on?

	No Capability	Capability not turned on	Capability turned on for all interactions	Capability turned on for MI and or GC/LCs	Capability turned on for Market and Client
Settlements and Reconciliation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Corporate Actions and Income	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
General meetings & Proxy Voting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tax Management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Account Opening and Maintenance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collateral Management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Funds Processing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regulatory Reporting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shareholder Disclosures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

12. Where you have the capability for ISO 20022, but have not activated it materially, what is the principal reason(s) for not activating it? Please rank in order of the most significant driver.

- Lack of readiness by our main counterparts
- No perceived benefit so have not considered it a priority
- Internal costs / effort to test and activate
- We are currently testing it and pending approvals
- Not applicable

13. On which of the following communication channels do you use ISO 20022 messages?  
Tick all that apply

	Yes	No
SFTP (Secure File Transfer Protocol)	<input type="checkbox"/>	<input type="checkbox"/>
Internet	<input type="checkbox"/>	<input type="checkbox"/>
VPN/Leased Lines	<input type="checkbox"/>	<input type="checkbox"/>
SWIFT	<input type="checkbox"/>	<input type="checkbox"/>
APIs	<input type="checkbox"/>	<input type="checkbox"/>
File Based	<input type="checkbox"/>	<input type="checkbox"/>
DLT nodes	<input type="checkbox"/>	<input type="checkbox"/>
MQ	<input type="checkbox"/>	<input type="checkbox"/>

Other (please specify)

## 2023 ISSA & ECSDA Survey of ISO 2022

### Change Drivers

14. What are the Business Case justifications to move to ISO 2022? Please rank at least three in order of highest priority

- Higher STP and Automation
- Business functionality not covered/sub-optimal in ISO 15022
- Consistency with cross border payments
- Cost of maintaining multiple formats / data models
- Regulatory Compliance
- Market Infrastructure Compliance
- Technical features: security, ease of integration:
- Meeting Client Requirements/Improved Client Experience
- Use of New Communications Channels
- Outside of regulatory or infrastructure direction, there is limited business case

15. What are your main barriers for full adoption of ISO 2022 messaging? Please rank at least three in order of highest impact

- Weak business case
- Other stronger investment priorities
- Ongoing Regulatory spend demands
- Strength of Translation Tools
- Lack of ISO 2022 standards for key activities
- Lack of client demand
- Other

16. If "Other" in question 15 please specify

17. Is there a sufficiently strong business case for full migration from ISO 15022 to ISO 20022 for Securities Servicing activities that warrants a strategy for full adoption in your firm?

No Support Strongly Support

18. In the absence of a Mandatory Requirement, what changes will have the biggest impact on your company's use of Securities ISO 20022? Please rank at least four in order of highest impact

- Change of IT Platforms
- Payments migration: securities players will need to adopt ISO 20022 for their payments
- Client Demand
- Local Custodian demand
- Expansion of APIs and new channels
- The Cost of co-existence: there is an inherent cost and risk in the industry of having to maintain multiple syntaxes and protocols
- Widespread Industry Adoption
- Industry Agreement on Migration Targets
- Management awareness and business case analysis
- Translation risks: when ISO 20022 is converted to ISO 15022 (and vice versa), some data may be truncated or incorrectly translated.
- Other





23. For flows that have not already transitioned would the industry be better to consider Adoption Targets by Securities Area (e.g. CA, Settlements, etc) rather than a big bang approach?

- Yes, that could make it viable
- No, a Big Bang approach is better
- No, we are against any mandatory approach
- Other (please specify)

24. If the answer to Q23 is "Yes", then who should set adoption targets and on what basis? How would this be reported and monitored?

25. If the answer to Q23 is "Yes" please rank which business area should move first (rank in priority order with 1 being the most important)

- Settlements and Reconciliation
- Corporate Actions and Income
- General meetings & Proxy Voting
- Tax Management
- Account Opening and Maintenance
- Collateral Management
- Funds Processing
- Regulatory Reporting
- Shareholder Disclosures

26. Should the Industry focus any adoption plans on the Intermediaries (e.g. Custodians) and Market Infrastructures, or more broadly to include Buy-Side and Sell side entities?

- Intermediaries and MI
- Global to/from local custodian interactions
- Buy-side
- Other (please specify)
- Sell-side
- Sell and buy-side
- All Segments

27. What do you find are the pain points of co-existence?

- Cost
- Risk
- Complexity
- Supporting two standards through the IT development life-cycle
- Other (please specify)

28. What else would help your organization during a co-existence period?

## 2023 ISSA & ECSDA Survey of ISO 2022

### Corporate Actions & APIs and ISO 2022

29. What concerns need to be addressed for the Industry to adopt a standardized approach to APIs

- Guarantee that the flexibility to add new data fields to APIs will not be difficult if they are standardized
- That there is an approach to extend base APIs (e.g. using child endpoints) or to specify API resource restrictions
- That the lack of a versioning strategy (which has to be decided and adopted) can be overcome
- Other (please specify)
- That ISO 2022 is not only a messaging standard
- None

30. Who do we need to convince that standardization of APIs is the best way forward?

	Least important to convince	Most important to convince
IT leaders	<input type="radio"/>	<input type="radio"/>
Developers	<input type="radio"/>	<input type="radio"/>
Enterprise Architects	<input type="radio"/>	<input type="radio"/>
Heads of digital, product, client services or network management	<input type="radio"/>	<input type="radio"/>
Strategy managers (Adopting open APIs as a new channel to expose commoditized services can be a strategic decision and not always a technical one)	<input type="radio"/>	<input type="radio"/>
Operational Leaders	<input type="radio"/>	<input type="radio"/>

31. What channel should we focus on if we are to promote and accelerate ISO standardized APIs in 2022 format?

- Local to Global Custody
- Global Custody to Asset Managers
- Local Custody to FMI
- GC/LC to Vendors
- Other (please specify)

32. How advanced are your firm's plans to develop ISO 2022 for Corporate Actions?

Not started	Coding started	Implemented
<input type="radio"/>	<input type="checkbox"/>	<input type="checkbox"/>



## 2023 ISSA & ECSDA Survey of ISO 20022

### Role of Industry Bodies

33. ISSA has created [ISSA ISO External Resource Centre](#) on the ISSA website. This has various documents explaining ISO 150222 and ISO 20022 and the benefits of the changes. Have you read it and was it useful?

Please send us any materials to add to the Resource centre that you are aware of.

- Yes and useful
- Yes and not useful
- No knowledge of its existence
- No

34. Do you want to continue to add more detail to the responses to question 9 or finish?

- Continue
- Finish

## 2023 ISSA & ECSDA Survey of ISO 2022

### Appendix: Expansion of Question 9

**This section is Optional. If you have answered Question 9 earlier the please finish here and submit. If you would like to add further detail to the products covered please continue.**

35. For SETTLEMENTS & RECONCILIATIONS, where do you currently use ISO 2022 i.e. with which market participants?

	Yes	Mandatory use	Optional use	No	Not applicable
Participant (Custodian or other) to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Market Infrastructure to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Client/Investor to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Client/Investor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Investment Bank/Broker dealer to Custodian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internal systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data Vendors e.g. Bloomberg	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utilities e.g. Omgeo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Third party providers e.g. Broadridge Proxy Services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

36. For CORPORATE ACTIONS AND INCOME, where do you currently use ISO 20022 i.e. with which market participants?

	Yes	Mandatory use	Optional use	No	Not applicable
Participant (Custodian or other) to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Market Infrastructure to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Client/Investor to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Client/Investor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Investment Bank/Broker dealer to Custodian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internal systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data Vendors e.g. Bloomberg	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utilities e.g. Omgeo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Third party providers e.g. Broadridge Proxy Services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)



37. For GENERAL MEETINGS AND PROXY, where do you currently use ISO 20022 i.e. with which market participants?

	Yes	Mandatory use	Optional use	No	Not applicable
Participant (Custodian or other) to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Market Infrastructure to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Client/Investor to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Client/Investor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Investment Bank/Broker dealer to Custodian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internal systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data Vendors e.g. Bloomberg	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utilities e.g. Omgeo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Third party providers e.g. Broadridge Proxy Services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

38. For TAX MANAGEMENT, where do you currently use ISO 20022 i.e. with which market participants?

	Yes	Mandatory use	Optional use	No	Not applicable
Participant (Custodian or other) to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Market Infrastructure to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Client/Investor to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Client/Investor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Investment Bank/Broker dealer to Custodian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internal systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data Vendors e.g. Bloomberg	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utilities e.g. Omgeo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Third party providers e.g. Broadridge Proxy Services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

39. For ACCOUNT OPENING, where do you currently use ISO 20022 i.e. with which market participants?

	Yes	Mandatory use	Optional use	No	Not applicable
Participant (Custodian or other) to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Market Infrastructure to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Client/Investor to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Client/Investor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Investment Bank/Broker dealer to Custodian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internal systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data Vendors e.g. Bloomberg	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utilities e.g. Omgeo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Third party providers e.g. Broadridge Proxy Services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

40. For COLLATERAL MANAGEMENT, where do you currently use ISO 20022 i.e. with which market participants?

	Yes	Mandatory use	Optional use	No	Not applicable
Participant (Custodian or other) to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Market Infrastructure to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Client/Investor to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Client/Investor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Investment Bank/Broker dealer to Custodian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internal systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data Vendors e.g. Bloomberg	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utilities e.g. Omgeo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Third party providers e.g. Broadridge Proxy Services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

41. For FUNDS PROCESSING, where do you currently use ISO 20022 i.e. with which market participants?

	Yes	Mandatory use	Optional use	No	Not applicable
Participant (Custodian or other) to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Market Infrastructure to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Client/Investor to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Client/Investor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Investment Bank/Broker dealer to Custodian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internal systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data Vendors e.g. Bloomberg	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utilities e.g. Omgeo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Third party providers e.g. Broadridge Proxy Services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

42. For REGULATORY REPORTING, where do you currently use ISO 20022 i.e. with which market participants?

	Yes	Mandatory use	Optional use	No	Not applicable
Participant (Custodian or other) to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Market Infrastructure to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Client/Investor to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Client/Investor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Investment Bank/Broker dealer to Custodian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internal systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data Vendors e.g. Bloomberg	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utilities e.g. Omgeo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Third party providers e.g. Broadridge Proxy Services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

43. For SHAREHOLDER DISCLOSURE, where do you currently use ISO 20022 i.e. with which market participants?

	Yes	Mandatory use	Optional use	No	Not applicable
Participant (Custodian or other) to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Market Infrastructure to Market Infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Client/Investor to Custodian Bank	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Custodian Bank to Client/Investor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Investment Bank/Broker dealer to Custodian	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Internal systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data Vendors e.g. Bloomberg	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Utilities e.g. Omgeo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Third party providers e.g. Broadridge Proxy Services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)