



DEUTSCHE BÖRSE
GROUP

Short Code and Algo ID solution 2.0

Comprehensive Change Update

27/09/2024

Agenda

- 1 Background and change overview
- 2 Upload functionality
- 3 Data processing
- 4 Data feedback
- 5 Ongoing and Historical data correction

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Background

Scope

With the Short Code and Algo ID solution 2.0, Eurex and FWB provide our members with an enhanced data management concept.

- The new concept includes GUI (graphical user interface) enhancements for easy manual data management but also enables members to automate upload services with intraday data management options.
- Especially the intraday data feedback and new intraday data processing will enable our members to manage their data more efficiently and support them in detecting reporting breaks and upload errors.

Change areas

**Upload
functionality**

**Data
processing**

**Data
feedback**

**Ongoing and
Historical data
correction**

Change overview (1/2)

Upload functionality

- **Upload file changes:** The file format (fields) of the SC & Algo ID upload files will change.
- **Upload file name change:** The file name will no longer include the trading day but the calendar day of the upload day (incl. Weekends and holidays).
- **Upload GUI enhancements:**
 - I. eForm enhancements with new values
 - II. TR report download option
 - III. TR160/162 report display & error correction functionality

Data processing

- **CUE preliminary validations:** The preliminary file content validations will no longer lead to rejections of the upload file on CUE level.
- **LIFO to FIFO:** The data submitted will be process in sequence, first records received will be processed first and subsequent records will be processed using the regular logic.
- **Intraday data processing:** The FIFO logic allows for intraday processing of data and the provision of intraday reports.
- **New correction functionality:** The new correction functionality is the basis to close gaps in the reporting where SCs were not registered until T+1 EOB.

Change overview (2/2)

Data feedback

- **Intraday reports:** Intraday TR160-3 reports will be provided in addition to the EOB reports.
- **Report structure changes:** The structure of current TR160-3 reports will change to reflect the intraday data processing.
- **New report:** New TR169 report will be introduced in order to allow for ongoing corrections, i.e. incurred “final missings” must be provided to the trading venue in due course.

Ongoing and Historical data correction

- **Closing of reporting gaps:** The new correction functionality will be used to enable an ongoing and a historical correction wave to close reporting gaps that occurred in the past.
- **Start date – End date: Ongoing corrections** of incurred “final missings” must be conducted starting **18. November 2024** and must be conducted **on a daily basis** if necessary. However, the **historical correction exercise** will start in **February 2025** and must be completed until **February 2026**.
- **Correction scope:** For ongoing corrections, the scope is incurred “final missings” since 18. November 2024 going forward. For historical corrections, data from 1. February 2020 until 15. November 2024 will be analyzed, and gaps must be closed.
- **Database:** New TR169, TR170 and TR171 reports will provide each member with the data sets that need to be corrected during the ongoing exercise and the historical correction phase.

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Upload functionality

Upload file changes

- Current solution**
- Short Code CSV upload file comprises nine fields.

- SC & Algo ID solution 2.0**
- Short Code CSV upload file comprises ten fields (new field "ValidToDate", new value "C" for corrections in field "StatusIndicator").

Upload file changes

- Algo ID CSV upload file comprises four fields (UploadDate, ValidFromDate, AlgoID, ResponsibleID).

- Algo ID CSV upload file comprises five fields (ParticipantID, MIC, ValidFromDate, AlgoID, ResponsibleID).

Upload file name change

- CUE upload file naming convention with (upcoming) trading date.

- CUE upload file naming convention with current upload date.

Upload GUI enhancements

- Reports only available for download via CRE.

- TR reports will be available for download in the Short Code ID and Algo ID upload GUI (accessible via Member Section). Error Reports will be displayed in the GUI.

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Data processing

Current solution

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| CUE preliminary validations | <ul style="list-style-type: none">▪ CUE upload file reject due to incorrect records and provision of CUE error log file. |
| LIFO to FIFO | <ul style="list-style-type: none">▪ Last in first out (LIFO) processing logic and end of day processing. |
| Intraday data processing | <ul style="list-style-type: none">▪ The LIFO principle only allowed for end of day processing of data including result feedback. |
| New correction functionality | <ul style="list-style-type: none">▪ No correction functionality available. |

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| <ul style="list-style-type: none">▪ File with erroneous records will be transferred to the data warehouse with validation results in T7 XML member reports in addition to CUE error log file. |
| <ul style="list-style-type: none">▪ First in first out (FIFO) processing logic and intraday processing in addition to the end of day processing. |
| <ul style="list-style-type: none">▪ The FIFO principle allows the provision of intraday data processing feedback. Members can quickly act upon SC/Algo ID errors by monitoring the intraday reports. |
| <ul style="list-style-type: none">▪ The correction functionality (upload status indicator “C”) enables members to close gaps in the audit trail report. |

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Data feedback

Current solution

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Intraday reports

- T7 XML member reports TR160-TR163 are provided at the end of day

- T7 XML member reports TR160-TR163 are provided intraday and end of day.

New reports

n/a

- New T7 XML member report TR169 “Short Code ID – Correction Report” will be introduced. This report shall enable members to easily identify any reporting gap that they might have caused by not providing the needed data in time. The gaps must be closed using the new correction functionality.
- New T7 XML member reports TR170 “Short Code ID – Historical Correction Report” and TR171 “Short Code ID – Historical Long Code Correction Report” will provide each trading participant with the data sets that need to be corrected during the historical correction phase.

Report Structure changes

n/a

- The reports TR160-TR163 will have a changed structure to reflect the intraday FIFO processing steps. Intraday reports are provided after the processing of data at 10 a.m., 2 p.m. and 6 p.m. CE(S)T.

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Ongoing and Historical data correction (1 / 2)

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Closing of reporting gaps

- The correction functionality enables members to close reporting gaps in the existing audit trail reports, where SCs have been used but no mapping was provided (final missings), or invalid LCs have been registered in the past.
- This has no impact to the T+1 data provision deadline for SC and Algo ID data!

Start date – End date

- Ongoing corrections must be conducted on a daily basis in case the member incurred final missings since T7 Release 13 on the 18. November 2024.
- For historical corrections, a data clean-up is planned for 2025. It will start in February 2025 while all gaps must be closed until February 2026.

Correction scope I / II

- For ongoing corrections, the new report TR169 “Short Code ID – Correction Report” will be introduced. This report provides members with their outstanding SC registrations, which were identified as “final missing” in the daily TR166. Members are obliged to submit the missing data in due course.
 - For historical corrections, the new reports TR170 “Short Code ID – Historical Correction Report” and TR171 “Short Code ID – Historical Long Code Correction Report” provide members with their individual correction scope.
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Ongoing and Historical data correction (2 / 2)

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Correction scope II / II

- Corrections must be conducted using the new correction functionality. Reports will be provided once on the 2 February 2025 and the daily processing of the corrections and hence the reports are provided daily starting 1 April 2025.
 - Members will be provided with the necessary data to execute the clean up and minimize upload efforts by allowing the report data to be uploaded again including the necessary enrichment with missing data.
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Member data submission

- The regular upload file was adapted in order to provide members with a convenient solution for corrections.
 - However, for historical corrections of incorrect Long Codes, the new CUE service EXTREFDH is going to be introduced.
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