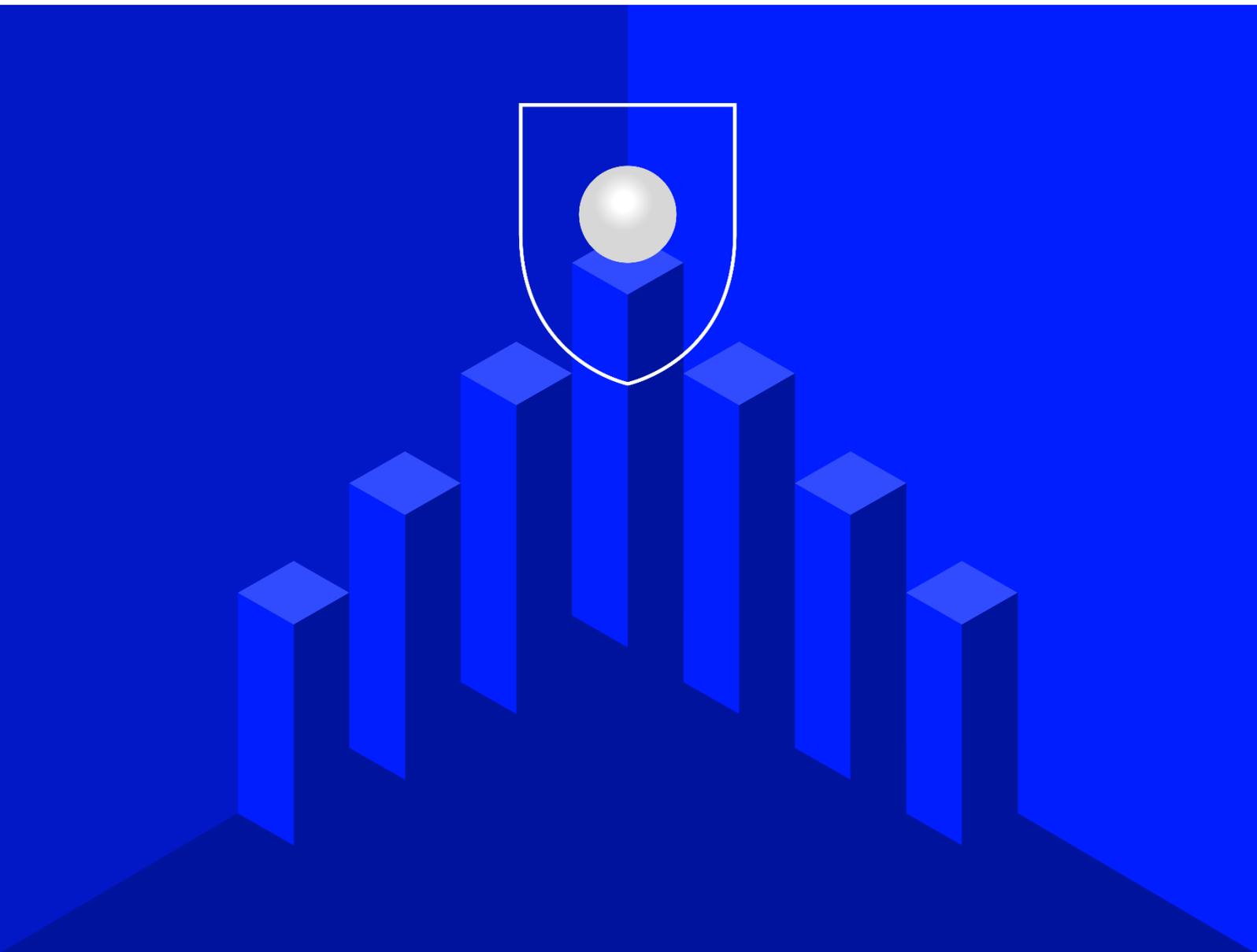


RTS24 ORDER CORRECTION PROCESS

Issue 1.1

16 March 2023



**LONDON
STOCK
EXCHANGE**

Contents

1.0	Introduction – Back-dating order process	3
1.1	Document history	3
1.2	Contacts.....	3
2.0	Access to Order files containing erroneous codes.....	4
3.0	Files.....	5
3.1	Download – Order files with Erroneous Codes	5
3.2	Upload – New Order File with correct Short code information	5
3.3	Acknowledgment files	7

1.0 Introduction – Back-dating order process

The RTS24 Order Correction process allows firms to correct short code mappings on historic orders. The process is run T+3 that validates all order records for the trading day on London Stock Exchange and Turquoise against the current snapshot of short codes registered in the member portal. Any exceptions on T+3 will generate order correction files for the trading day, listing all orders that have erroneous or missing codes*.

For these exception files, clients will need to download and re-submit with corrected short codes where the order has been tagged with an erroneous short code mapping. For instances where the exception is a genuine code, you will need to upload the missing code to the member portal.

**Erroneous codes are where the short code mapping is not legitimate (and therefore cannot be uploaded to the member portal) but has been erroneously tagged to an order (Native or FIX gateway). For example, a short code registered as LEI in the member portal (legitimate) but is being sent as a Natural Person on the order on the trading gateway.*

1.1 Document history

This document has been through the following iterations:

Issue	Date	Description
1	20/06/2018	Document creation
1.1		Modifications to section 1.2 Modifications to section 2.0 to include updated SFTP.HTTP address details Modifications to section 3.2

1.2 Contacts

Please contact your Technical Account Manager or the Technical Account Management team if you have any questions about the services outlined in this document.

The Regulatory Operations supports the day to day business as usual and should be used as an additional point of contact.

London Technical Account Management:

+44 (0) 20 7797 3939

londontam@lseg.com

Regulatory Operations Team

+44 (0)20 7797 3547

slc_missingcodes@lseg.com



**LONDON
STOCK
EXCHANGE**

2.0 Access to Order files containing erroneous codes

The orders files are available via SFTP.

Order correction files are accessed via the same SFTP login used for Short Long Code registration. Customers can request an SFTP user in the member portal in the following location:

MiFID II Services → Short-Long Codes → SFTP Users

Customers will need an SFTP user per venue and to specify their public IPs to be configured on the accounts.

When created, an automated email will be sent to the email address registered to the account with the username and password. The default password needs to be changed on HTTPS first before connecting via SFTP.

Further details can be found in the member portal user manual – short code long code mapping:

https://docs.londonstockexchange.com/sites/default/files/documents/member-portal-user-manual-short-code-long-code-mapping_1.5.pdf

SFTP Details are shown below.

New URLs and associated IP addresses:

Environment	Protocol	URL	IP/Ports
CDS	SFTP	SFTP://mft-test.lseg.com	13.248.155.35:22
	HTTPS	HTTPS://mft-test.lseg.com	76.223.22.58:443
Prod	SFTP	SFTP://mft.lseg.com	52.223.51.41:22
	HTTPS	HTTPS://mft.lseg.com	35.71.183.110:443

3.0 Files

3.1 Download – Order files with Erroneous Codes

Order correction files will be generated T+3 for customers to download orders with missing codes from the `/OUT/RTS24_SC_ORDER_CORRECTION` directory.

The order correction files will be available in this directory for 30 days before being deleted*.

Therefore, firms have 30 days from the date files have been uploaded to return successful order corrections. For example, order correction files for trading day 3 January 2018 will be available on the SFTP sever on 6 January 2018 and will remain until EOD 4 February 2018.

Orders are split into separate files per trading day.

Customers are expected to check each order and the erroneous short code assigned and provide the correct short code information when uploading the new order file template, section 3.2.

Please note, a single order ID can appear in multiple rows if more than one erroneous/missing short code was seen on the order (maximum three duplications, i.e., if erroneous short codes were provided in each of the RTS24 MiFID ii fields (CLIENT_ID + CLIENT_ID_TYPE, INVESTMENT_DECISION + INVESTMENT_DECISION_TYPE, EXECUTION_WITHIN_FIRM + EXECUTION_WITHIN_FIRM_TYPE).

**Once a file is downloaded, it is moved to the archive folder. After 30 days in archive, files are removed.*

3.2 Upload – New Order File with correct Short code information

Based on the order files provided in the OUT folder (section 3.1), customers are expected to upload a new file containing all orders reported with erroneous short codes and upload a new, corrected order file.

The new order file with correct short codes should be added to the `/IN/RTS24_SC_ORDER_CORRECTION` directory.

Filename convention: `[Short Code SFTP Username]_YYYYMMDD_IN.csv`

(YYYYMMDD being the trading date of the order file)

For example, a customer with username 'MBRPortal_SLC_200_LSE_1':

MBRPortal_SLC_200_LSE_1_20180103_IN.csv - LSE Order file for orders on 3 Jan 2018

MBRPortal_SLC_200_LSE_1_20180104_IN.csv - LSE Order file for orders on 4 Jan 2018

MBRPortal_SLC_200_LSE_1_20180105_IN.csv - LSE Order file for orders on 5 Jan 2018

MBRPortal_SLC_200_TQ_1_20180103_IN.csv - TQ Order file for orders on 3 Jan 2018

MBRPortal_SLC_200_TQ_1_20180104_IN.csv - TQ Order file for orders on 4 Jan 2018

MBRPortal_SLC_200_TQ_1_20180105_IN.csv - TQ Order file for orders on 5 Jan 2018

Please note, the order IDs generated on the MIT trading platform are base 62, and therefore case sensitive. For example, O0YCShTXqrDb and O0YCShTXqrDB are two separate orders. Excel functions, such as remove duplicates and vlookups, are not case sensitive.

Therefore, when managing files in Excel, this needs to be taken into consideration.

RTS24 Order correction file headings and format description

The correct RTS 24 information should be provided in the below file format:

The CSV upload file template should follow the below and not the download file format.

Field name	Data format
TRADING_DATE	Trading date of the Order. Should match the date specified in the file name. DD/MM/YYYY
ORDER_ID	Order Identifier to be updated. Originally provided in the Order files downloaded in the OUT/RTS24_SC_ORDER_CORRECTION folder. No Order ID duplication allowed.
CLIENT_IDENTIFICATION_CODE	Identifier of the client. Only the following values will be accepted. Value Meaning: <ul style="list-style-type: none"> - 0 None - 1 AGGR - 2 PNAL - 4 – 4294967295 Short code
CLIENT_IDENTIFICATION_CODE_TYPE	<ul style="list-style-type: none"> - L – Client LEI - N – Natural Person - 0 – If no Short Code specified for field
INVESTMENT_DECISION_WITHIN_FIRM	Identifier of the trading member/participant who made investment decision.. Only the following values will be accepted. Value Meaning: <ul style="list-style-type: none"> - 0 None - 4 – 4294967295 Short code
INVESTMENT_DECISION_WITHIN_FIRM_TYPE	<ul style="list-style-type: none"> - A – Algorithm - N – Natural Person - 0 – If no Short Code specified for field
EXECUTION_WITHIN_FIRM	Identifier of the trading member/participant who made the execution decision. 0 will not be accepted as a valid value. Only the following values will be accepted. Value Meaning: <ul style="list-style-type: none"> - 3 CLIENT - 4 – 4294967295 Short code
EXECUTION_WITHIN_FIRM_TYPE	<ul style="list-style-type: none"> - A – Algorithm - N – Natural Person - 0 – If no Short Code specified for field

[Order correction file format template link](#)

Please see important notes on next page

Important notes

- One file per trading day. The date of the file should match the trading date in the file.
- As described in section 3.1., order IDs can appear on multiple rows in the download file. However, in the upload file, ensure that there is no order ID duplication and that order IDs only appear in one record/row.
- If a reported missing short code is genuine and required to be uploaded into the member portal, an order correction is not required in the upload file.
- The upload file is only accepted if all orders have been addressed. This includes upload files being accepted where only a subset of orders require correcting and, for the remaining orders that have been reported missing, the related codes are registered in the member portal.
- Only comma delimited files will be accepted. Semicolon delimited files will be rejected

3.3 Acknowledgment files

Every hour between 08:00 and 18:00, all order correction files dropped to the *IN/RTS24_SC_ORDER_CORRECTION* directory will be processed and validated within the hour.

When the files are processed, acknowledgement files will be sent back to the *OUT/RTS24_SC_ORDER_CORRECTION* directory to provide feedback as to whether the upload file was successfully loaded or if there was an error break.

Members should check these folders once an Order Correction has been submitted to ensure their Order corrections files have been accepted.

There are two types of acknowledgement file

3.3.1 OK Files

For successful uploads, an OK file is generated. The filename is prefixed with 'OK_' followed by the original filename, for example, OK_MBRPortal_SLC_200_LSE_1_20180103_IN.csv.

The content of the file will be:

Success! Total order corrections loaded: <Total Number of Orders>

When an OK file is generated, it means all order information is corrected for the trading day.

3.3.2 ERR Files

For upload files that fail the validation, an error file will be generated. When a validation error occurs, the processing of the file will break and the erroneous record is returned.

The filename is prefixed with 'ERR_' followed by the original filename for the upload file, except for a validation failure for the filename, where the filename of the ERR will be 'ERR_<SFTP Username>' and the original filename of the upload file will be stated in the 'ERROR_DESCRIPTION' field of the ERR file.

3.3.3 Format of ERR file

field name	Data format
TRADING_DATE	Trading date of the Order. DD/MM/YYYY Will be Blank for filename errors.
ORDER_ID	Order Identifier of the erroneous record. Will be blank for filename errors.
ERROR_ID	-20000 – for invalid filename errors. -20001 – for file content errors.
ERROR_DESCRIPTION	Reason for the error.
CLIENT_IDENTIFICATION_CODE	Identifier of the client of the erroneous record. Only the following values will be accepted. Value Meaning: <ul style="list-style-type: none"> - Blank for filename errors - 0 None - 1 AGGR - 2 PNAL - 4 – 4294967295 Short code
CLIENT_IDENTIFICATION_CODE_TYPE	<ul style="list-style-type: none"> - Blank for filename errors - L – Client LEI - N – Natural Person - 0 – If no Short Code specified for field
INVESTMENT_DECISION_WITHIN_FIRM	Identifier of the trading member/participant who made investment decision of the erroneous record. Only the following values will be accepted. Value Meaning: <ul style="list-style-type: none"> - Blank for filename errors - 0 None - 4 – 4294967295 Short code
INVESTMENT_DECISION_WITHIN_FIRM_TYPE	<ul style="list-style-type: none"> - Blank for filename errors - A – Algorithm - N – Natural Person - 0 – If no Short Code specified for field
EXECUTION_WITHIN_FIRM	Identifier of the trading member/participant who made the execution decision of the erroneous record. Only the following values will be accepted. Value Meaning: <ul style="list-style-type: none"> - Blank for filename errors - 3 CLIENT - 4 – 4294967295 Short code
EXECUTION_WITHIN_FIRM_TYPE	<ul style="list-style-type: none"> - Blank for filename errors - A – Algorithm - N – Natural Person - 0 – If no Short Code specified for field

London Stock Exchange

10 Paternoster Square

London EC4M 7LS

T: +44 (0) 20 7797 1000

www.londonstockexchange.com

Copyright © June 2018 London Stock Exchange plc. Registered in England and Wales No. 05369106. London Stock Exchange plc has used all reasonable efforts to ensure that the information contained in this publication is correct at the time of going to press, but shall not be liable for decisions made in reliance on it. London Stock Exchange and the coat of arms device are registered trade marks of London Stock Exchange plc.