

LSEG Third Country Member Transaction Reporting Testing Guide

Issue 1.0

16 September 2019



London
Stock Exchange Group

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1.0 Purpose

The purpose of this document is to provide customers with a detailed overview of the conformance testing for LSEG Third Country Member Transaction Reporting.

This document should be used in conjunction with the LSEG Brexit Third Country Member Transaction Reporting Guide (Venue Reporting).

2.0 Document History

Issue	Date	Description
1.0	16 September 2019	Initial version

3.0 Certification Programme

3.1 Certification Policy

Customers who are designated as Third Country Members will be required to test the end to end transaction reporting process before being allowed to access the production environment. Third Country Member who have not tested and are not ready to provide transaction reporting files in the production environment may be restricted from trading on the respective LSEG trading venue.

3.2 Passporting Policy

Customers testing for London Stock Exchange and Turquoise only need to perform a single test for one of the markets. Customer testing CurveGlobal Markets and TRADEcho will need to perform separate tests in order to ensure TVTIC conversions are being performed correctly.

4.0 Certification Testing Process

4.1 Before Testing

The following steps should be taken before performing any tests:

1. Discuss transaction reporting plans with Technical Account Management Team
2. If using UnaVista Venue Collection Service, contact your UnaVista representative to be correctly set up in the UAT environment and have the appropriate contracts in place.
3. If not using UnaVista Venue Collection Service, perform the following steps:
 - a. Contact LSEG Technical Account Management team to set up sFTP credentials for UAT environment.
 - b. Test connectivity to the UAT sFTP

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- c. Confirm XML File Format adheres to the appropriate XSD schema.
<http://www2.londonstockexchange.com/UnaVista-MiFIR-ARM-Document-Pack>
 - d. Confirm that the submission file naming convention is correct as detailed in our supporting member guide.
 - e. Ensure TVTIC conversion is being performed properly (see Appendix A for example TVTIC conversions)
 - f. Ensure that "Investment Firm" indicator will be set to "False"
- 4. Ensure you have access to enter orders and perform testing in the Customer Development Service (CDS) environment of the relevant trading venue.
 - 5. Email transactionreporting@lseg.com informing them of the days you plan to test.

4.2 During the Test

Customers should ensure that test orders are entered and executed in the CDS. Transaction Report files must be created based on the trades performed in the CDS environment. Transaction Reports files must be submitted to the UAT environment by on the same day and contain all trades executed in the CDS environment on that day.

Customers should ensure all feedback files are received and actioned accordingly. Any errors must be fixed and resubmitted according to the standard process.

The test will be performed over two trading days.

4.3 After the Test

Confirm testing completion to the LSEG Transaction Reporting team at TransactionReporting@lseg.com.

The Transaction Reporting team will validate testing and confirm testing success. The transaction reporting team will highlight any additional testing required. The customer will be required to complete any additional testing prior to production go-live.

Once testing has been completed and signed-off, a member of the Technical Account Management team will be in contact with the customer to set up production credentials.

5.0 Mandatory Testing Scenarios

5.1 Enter Transaction Report File

1. Enter orders and generate trades in the CDS environment of the relevant trading venue.
2. Submit transaction reports for the trades generated
3. Confirm UnaVista MiFIR ARM validation response file is received with no exceptions files.
4. Any errors should be corrected, and erroneous transaction report are resubmitted. (if applicable). *This should continue until all transaction reports have passed ARM validation checks.*

Success Criteria: *The test will be considered successful when the UnaVista MiFIR ARM validation response file is returned with no errors.*

5.2 Confirm Receipt of Reconciliation Response Files (T+1)

1. Confirm venue reconciliation Summary Report is received with no errors.
2. Any exception files should be processed, and erroneous transaction report are fixed and resubmitted. (if applicable). *This should continue until all transaction reports have passed reconciliation validation checks.*

Success Criteria: *The test will be considered successful when the Summary Report is returned with no exception file.*

5.3 Enter a Transaction Report Amendment

1. Amend a trade report originally submitted in section 5.1.
2. Submit CANC file for cancellation to the original submitted transaction
3. Submit NEW file for the amended trades
4. Confirm UnaVista MiFIR ARM validation response file is received with no errors.
5. Any errors should be corrected, and erroneous transaction report are resubmitted. (if applicable). *This should continue until all transaction reports have passed ARM validation checks.*

Success Criteria: *The test will be considered successful when the UnaVista MiFIR ARM validation response file is returned with no errors.*

Once all Tests have been completed, email testing completion confirmation to TransactionReporting@Iseq.com.

6.0 Contacts

Transaction Reporting Team

For Testing and functional queries:

- transactionreporting@lseq.com

Technical Account Management Team

For On-boarding and sFTP setup:

- +44 (0) 20 7797 3939
- londontam@lseq.com

Appendix A

Below are examples for TVTIC conversions to Base 10. Customers may use this as guidance when converting their own TVTIC values for transaction reporting purposes.

Base 36

TVTIC	Converted from Base 36 to Base 10
00SV62B5UB	2088595963773030
00SV65T2SJ	2088595967968080
00ST83OK1P	2088591731720250

Base 62

TVTIC	Converted from Base 62 to Base 10
R3A0A51	1536502561375
R410A21	1537285706997
R800AE2	1540935462734

Base 64

TVTIC	Converted from Base 64 to Base 10
A0TL-54aBA	14721085129990200
Cgyr1tYaBA	45258911206449200
_Qur1tYaBA	1139616028471430000

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