CORPORATE

TRADEcho

CERTIFICATION GUIDE

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TABLE OF CONTENTS

1 Documentation 5
1.1 This Guide 5
1.2 Readership 5
1.3 Document Series 5
1.4 Document History 5
1.5 Enquiries 6

2 Certification Programme 8
2.1 Access to the Live Service 8
2.2 Software Identification 8
2.3 Certification Policy 8

3 Certification Process 9

4 Certification Test Scenarios 10
4.1 Test Procedure 10
4.2 Login 11
4.2.1 Password Change 11
4.3 Trade Reporting - APA 12
4.3.1 Enter a Trade Report using ISIN 12
4.3.2 Enter a Trade Report using Instrument ID 13
4.3.3 Cancel a Trade Report 14
4.3.4 Amend a Trade Report 15
4.3.5 System Set Deferral 16
4.3.6 Pre-Release Trade Report 17
4.3.7 Client Set Deferral 18
4.3.8 Assisted Reported Trade Report 19
4.3.9 Override Rejected Trade Report 20
4.3.10 Send Trade Reports - Gilts 21
4.3.11 System Set Supplementary Deferral 22
4.3.12 Client Set Supplementary Deferral 23
4.3.13 Submit a Trade Report to the EU APA 24
4.3.14 Submit a Trade Report as an SI 24
4.4 Trade Reporting - SRR 25
4.4.1 Enter a Trade Report using ISIN 25
4.4.2 Enter a Trade Report using Instrument ID 26
4.4.3 Cancel a Trade Report 27
4.4.4 Amend a Trade Report 28
4.4.5 System Set Deferral 29
4.4.6 Pre-Release Trade Report 30
4.4.7 Client Set Deferral 31
4.4.8 Send Trade Reports - Gilts 32
4.4.9 Enter a Trade Report – Routed to External APA 33
4.4.10 Assisted Reported Trade Report 34
4.4.11 Override Rejected Trade Report 35
4.4.12 System Set Supplementary Deferral 36
4.4.13 Client Set Supplementary Deferral 37
4.4.14 Submit a Trade Report to EU APAs 38
4.5 SI Quoting 38

4.5.1 Submit Mass Quote 38
4.5.2 Amend Mass Quote 39
4.5.3 Cancel Mass Quote 40
4.5.4 Suspend Quote 41
4.5.5 Submit Mass Quote to EU APA 42

1 Documentation

1.1 This Guide

The purpose of this document is to provide an overview of the testing services available to customers, provisioned as part of the TRADEcho project.

It will be updated and reissued when appropriate to do so.

1.2 Readership

This document is particularly relevant to technical and service introduction teams within member firms and other market participants who are interested in submitting Off Book Trades and SI Quotes through the TRADEcho system.

When read in conjunction with other TRADEcho documents it is intended to provide all required information for clients to successfully certify their application ahead of Production service access.

1.3 Document Series

This guide forms part of the documentation library supporting those clients interacting with TRADEcho. For information, the full series of currently available documentation is outlined below:

- TRADEcho FIX Specification
- TRADEcho Connectivity Guide
- TRADEcho Testing Guide
- TRADEcho Certification Guide
- TRADEcho Certification Report

The full library of TRADEcho documentation can be found at:

http://www.londonstockexchange.com/products-and-services/technical-library/millennium-exchange-technical-specifications/millennium-exchange-technical-specifications.htm

Further information on TRADEcho Service can be found:

www.TRADEcho.com

1.4 Document History

This document has been through the following iterations:

Issue	Date	Description
1.0	Jan 2017	First issue of this document published via the London Stock Exchange's website and distributed to customers.
2.0	Sept 2017	Updated to reflect MiFID II changes.
3.0	July 2018	Updated to reflect Supplementary Deferrals
4.0	Jan 2019	Updated to reflect Brexit changes. Customers will need to include TargetAPA to report to EU APA. Defaults to UK.
5.0	Feb 2024	Updated to reflect the new customer conformance tool and process. Introduction of OKTA to access the new customer conformance testing portal.

1.5 Enquiries

Please contact your Technical Account Manager if you have any questions about the Testing services outlined in this document. If you are unsure who your Technical Account Manager is please use the details below:

- Telephone: +44 (0)20 7797 3939
- Email: londontam@lseg.com

2 Certification Programme

The following Certification Programme applies to anyone connecting a software application to TRADEcho *Live Service*. A Live Service is any production Trading or Information Services environment across TRADEcho.

Customer non-compliance with this certification programme may constitute a breach of the eligible venue terms and conditions or rules.

2.1 Access to the Live Service

Access to the TRADEcho Live Services is permitted only when a customer's software application has been certified as being fit for purpose.

2.2 Software Identification

All customer software must be identifiable by a software name and version number. Software applications that do not have both a name and version number will not be certified. Certification is limited to a single version of the named software.

2.3 Certification Policy

Customer will be required to perform a certification test under the following conditions:

- Prior to use of a new application on the live environment
- Customer modifies the software in any way that directly impacts a LSEG interface.
- The exchange venue upgrades its production environment to a later version of software.
- The customer is requested to recertify their application by the relevant venue

3 Certification Process

The Certification Process is an integral part of the Certification Programme.

Mandatory testing will be required for all applications that wish to connect to the production environment and mandatory functions will need to be tested in order to confirm conformant behaviour.

Customers should consider their software application's 'production ready' before attempting the test. Customers should also read and familiarise themselves with this document and the Market and Product Specific Testing documents. These documents contain important guidance that must be read before completing the certification process.

In addition to the tests outlined in this document, customer should ensure that all functionality supported in the application is thoroughly tested prior to production go-live.

The Conformance Testing team (conformancetest@lseg.com) will be available to assist participants in completing part of their certification test by performing both mandatory and optional functions.

Customers should complete the full set of uncoordinated test cycles described in Section 4 and inform the Conformance Testing team when this has been completed.

Each application is required to be certified for TRADEcho FIX interface. Customers should certify the test cycles based on the service their software supports.

Customers should record the test results on the TRADEcho Certification Test Report using the test procedure shown at the start of section 4. Customers are required to complete all test scenarios for the functionality their applications will support.

Customers will need to be set-up on OKTA, to manage their conformance test on the new front-end GUI – https://conformance.lseg.com/login.

To be set-up on OKTA, please provide the following information to the Conformance Testing team at conformancetest@lseg.com.

- Name and email address of the individual(s) performing the certification tests.
- Name of the company performing the certification
- Which interface(s) is requested for certification, APA, SRR, SI Quotes

Once the user certifying has been set-up, customers should expect to receive emails from OKTA to access the conformance testing tool [noreply@identity.lseg.com].

To perform conformance testing customers will need to target new destination IP address(es)/Ports.

Note: The Conformance testing IP address(es)/Ports should not be used for software development, instead please refer to the CDS IP address(es)/Ports on our website (Technical library Equities trading resources | London Stock Exchange).

After the test the Market Access team will check the details on the completed TRADEcho Certification Test Report and review the log files for the completed test scenarios. A report will be generated detailing how the customer's application has performed during the test. If testing is successfully, the report will be sent to the customer to sign off the application as fit for purpose and ready for access to the Live Services.

The following items are checked:

- The functional behaviour and message sequencing in each scenario
- If the session was maintained for the entire period or if it dropped
- If any errors were produced over the time period

The report will be run specifying a time range limited to a single day.

By returning the signed copy of the TRADEcho Certification Test Report Certification Checklist, the customer is confirming that their application is fully conformant to all aspects of the TRADEcho Technical Specifications and technically behaves as described in the guidance given in both this document and the guide to testing.

4 Certification Test Scenarios

4.1 Test Procedure

Customers must perform all of the steps in each of the test scenarios and record the results in the relevant sections of the TRADEcho Certification Test Report.

When documenting the test results, customers should include all information as requested in each of the steps, such as TradeIDs, QuoteIDs and Security IDs.

If the result does not match the expected result, the customer should still record it in the relevant section of the certification test report and in the comments section including the following:

- Trade IDs/ QuoteIDs (if any)
- Security ID
- Any information which may be helpful in troubleshooting the error

Gateway connections and CompIDs should be checked at least 2 working days before planned execution date.

4.2 Login

4.2.1 *Password Change*

Type: TRADEcho Gateway	**ID #:** TE-001	**Assisted Test:** N	**Mandatory:** Y
Description: Log on to the gateway and change the logon password from the system default.			
Comments:			
Prerequisites: None.			

#	Test Steps	Expected Results
1	Establish a connection and Logon to the TRADEcho Gateway. *Tag 35 (MsgType) = A* *Tag 554 (Password) = Current password assigned to the CompID* *Tag 925 (NewPassword) – new password of at least 8 characters*	Successful Logon, with current default password and a valid new password specified.
2	Logout and Disconnect. *Tag 35 (MsgType) = 5*	Logout message sent by client and connection terminated.
3	Logon using the new password. *Tag 35 (MsgType) = A*	Successful Logon, using the new password specified in step 1.

4.3 Trade Reporting - APA

4.3.1 *Enter a Trade Report using ISIN*

Type: TRADEcho Gateway [APA]	**ID #: APA-001**	**Assisted Test: N**	**Mandatory: N**
Description: Enter a Trade Report. for immediate publication using ISIN as instrument identifier. By default this will target the UK APA.			
Comments:			
Prerequisites: Already logged on from previous Test Case			

#	Test Steps	Expected Results
1	Enter a Trade Capture Report. *Tag 35(MsgType) = AE* *Tag 22 (SecuriityIDSource) = 4 (ISIN)* *Tag48 (SecurityID) = <ISIN>*	The Trade Report is successfully submitted. Receive a Trade Capture Report (TCR) Ack and TCR when processed.
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade report.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE*	Server Initiated TCR (TCR-S) is received when trade is published.

4.3.2 *Enter a Trade Report using Instrument ID*

Type: TRADEcho Gateway [APA]	**ID #: APA-002**	**Assisted Test: N**	**Mandatory: N**
Description: Enter a Trade Report. for immediate publication using Instrument ID as identifier			
Comments:			
Prerequisites: Already logged on from previous Test Case			

#	**Test Steps**	**Expected Results**
1	Enter a Trade Capture Report. *Tag 35(MsgType) = AE* *Tag 22 (SecuriityIDSource) = 8 (LSE ID)* *Tag48 (SecurityID) = <LSE Instrument ID>*	The Trade Report is successfully submitted. Receive a Trade Capture Report (TCR) Ack and TCR when processed.
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade report.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE*	Server Initiated TCR (TCR-S) is received when trade is published.

4.3.3 *Cancel a Trade Report*

Type: TRADEcho Gateway [APA]	**ID #: APA -003**	**Assisted Test: N**	**Mandatory: N**
Description: Cancel a previously published Trade Report.			
Comments:			
Prerequisites: Already logged on from previous Test Case.			

#	**Test Steps**	**Expected Results**
1	Cancel the Trade entered in previous test. *Tag 35(MsgType) = AE* *Tag 487 (TradeReportTransType) = 1* *Tag 1003(TradeID) = Trade ID of original trade to cancel*	The Trade Report is cancelled.
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	The Trade Report is cancelled. Receive a Trade Capture Report Ack.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE*	Server Initiated TCR (TCR-S) is received .

4.3.4 *Amend a Trade Report*

Type: TRADEcho Gateway [APA]	**ID #: APA -004**	**Assisted Test: N**	**Mandatory: N**
Description: Amend a previously published Trade Report			
Comments: This should be done by cancelling the original trade then submitting a new trade with the corrected details.			
Prerequisites: Already logged on from previous Test Case.			

#	**Test Steps**	**Expected Results**
1	Cancel the trade you want to amend *Tag 35(MsgType) = AE* *Tag 487 (TradeReportTransType) = 1* *Tag 1003(TradeID) = Trade ID of original trade to cancel*	.
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	The Trade Report is cancelled. Receive a Trade Capture Report Ack.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE*	Server Initiated TCR (TCR-S) is received.
4	Resubmit Trade with corrected details *Tag 35(MsgType) = AE* *Tag 487 (TradeReportTransType) = 0* *Tag 1126(OrigTradeID) = Trade ID of original trade to cancel*	.
5	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	The Trade Report is amended. Receive a Trade Capture Report Ack.
6	Receive Server Initiated TCR. *Tag 35(MsgType) = AE*	Server Initiated TCR (TCR-S) is received.

4.3.5 *System Set Deferral*

Type: TRADEcho Gateway [MMT]	**ID #: APA-006**	**Assisted Test: N**	**Mandatory: N**
Description: Trade report for delayed publication and trade value that qualifies for delayed publication, following the delay model set by the system.			
Comments:			
Prerequisites Already logged on from previous Test Case.			

#	**Test Steps**	**Expected Results**
1	Enter a Trade Capture Report with delayed publication requested, and which meets the size requirements for being delayed. *Tag 35(MsgType) = AE* *Tag 1390 (TradePublishIndicator) = 2* *Tag 487 (TradeReportTransType) = 0* (Please refer to (1) the ADT delay regime model in the business parameters document and (2) the reference data file for ADT values of securities for trades qualifying to be delayed).	The Trade Report is successfully submitted.
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade report.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Replace)*	Server Initiated TCR (TCR-S) is received signifying trade is deferred
4	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *TradeReportTransType (487) = 3 (Release)*	Server Initiated TCR (TCR-S) is received when trade published.

4.3.6 *Pre-Release Trade Report*

Type: TRADEcho Gateway [MMT]	**ID #: APA-007**	**Assisted Test: N**	**Mandatory: N**
Description: Pre-release a Trade Report.			
Comments:			
Prerequisites Already logged on from previous Test Case.			

#	**Test Steps**	**Expected Results**
1	Pre-release the trade report entered in previous test case. *Tag 35(MsgType) = AE* *Tag 487 (TradeReportTransType) = 3 (Release)* *Tag 1003 (TradeID) = Trade ID of the trade report to pre-release*	The Trade Report is Pre-released successfully.
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE*	Server Initiated TCR (TCR-S) is received to confirm trade is published

4.3.7 *Client Set Deferral*

Type: TRADEcho Gateway [MMT]	**ID #: APA-008**	**Assisted Test: N**	**Mandatory: N**
Description: Trade Report for delayed publication with publication date time set by the client.			
Comments:			
Prerequisites Already logged on from previous Test Case.			

#	**Test Steps**	**Expected Results**
1	Enter a Trade Capture Report with delayed publication requested, and which meets the size requirements for being delayed. *Tag 35(MsgType) = AE* *Tag 1390 (TradePublishIndicator) = 2* *Tag 487 (TradeReportTransType) = 0* *Tag 7552 (DelaytoTime) = Date and Time (in UTC) to publish*	The Trade Report is successfully submitted. Receive a Trade Capture Report Ack .
2	Receive a Trade Capture Report Ack . *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Replace)*	Server Initiated TCR (TCR-S) is received signifying trade is deferred
4	Receive Server Initiated TCR. *Tag 35(MsgType) = AE*	Server Initiated TCR (TCR-S) is received.

4.3.8 *Assisted Reported Trade Report*

Type: TRADEcho Gateway [APA]	**ID #: APA-009**	**Assisted Test: N**	**Mandatory: N**
Description: Assisted trade report on -behalf of authorised firm			
Comments:			
Prerequisites Already logged on from previous Test Case.			

#	**Test Steps**	**Expected Results**
1	Enter a Trade Capture Report as Assisted Reported *Tag 35(MsgType) = AE* *Tag 25022 (AssistedReportAPA) = 1* *Tag 1390 (TradePublishIndicator) = 2* *Tag 487 (TradeReportTransType) = 0* **LEI of the counterparty should be sent in the message. The LEI must have opted into assisted reporting with TRADEcho.*	The Trade Report is successfully submitted.
2	Receive a Trade Capture Report Ack . *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade report.
4	Receive Server Initiated TCR. *Tag 35(MsgType) = AE*	Server Initiated TCR (TCR-S) is received.

4.3.9 *Override Rejected Trade Report*

Type: TRADEcho Gateway [APA]	**ID #: APA-010**	**Assisted Test: N**	**Mandatory: Y**
Description: Override a rejected trade report			
Comments: Order should be entered with a price outside the price validation range to get rejected.			
Prerequisites Already logged on from previous Test Case.			

#	**Test Steps**	**Expected Results**
1	Enter a Trade Capture Report with price outside validations. *Tag 35(MsgType) = AE*	The Trade Report is successfully submitted. Receive a Trade Capture Report Reject
2	Receive a Trade Capture Report Ack . *Tag 35(MsgType) = AR* *Tag 939 (TrdRptStatus) = 2 (Rejected)*	Trade Capture Report Ack is rejected.
3	Re-Enter same Trade Capture Report with override flag set. *Tag 35(MsgType) = AE* *Tag 7596(PxQtyReviewed) = Y*	
4	Receive a Trade Capture Report Ack . *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade report
5	Receive Server Initiated TCR. *Tag 35(MsgType) = AE*	Server Initiated TCR (TCR-S) is received when trade is published.

4.3.10 *Send Trade Reports - Gilts*

Type: TRADEcho Gateway [APA]	**ID #: APA-011**	**Assisted Test: N**	**Mandatory: N**
Description: Send a Trade Report for a Gilts Product			
Comments:			
Prerequisites Already logged on from previous Test Case.			

#	**Test Steps**	**Expected Results**
1	Enter a Trade Capture for a Gilt instrument *Tag 35(MsgType) = AE*	The Trade Report is successfully submitted.
2	Receive a Trade Capture Report Ack . *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade is accepted
3	Receive Server Initiated TCR *Tag 35(MsgType) = AE*	Server Initiated TCR (TCR-S) is received signifying trade is submitted

4.3.11 *System Set Supplementary Deferral*

Type: TRADEcho Gateway [APA]	**ID #: APA-013**	**Assisted Test: N**	**Mandatory: N**
Description: Send a Trade Report with System set Supplementary Deferral			
Comments:			
Prerequisites Already logged on from previous Test Case.			

#	Test Steps	Expected Results
1	Enter a Trade Capture *Tag 35(MsgType) = AE* *Tag 1390(TradePublishIndicator) =2 or not sent* *Tag 20200(ApplySupplementaryDeferral) = Y or not sent* (Please refer to (1) the ADT delay regime model in the business parameters document and (2) the reference data file for ADT values of securities for trades qualifying to be delayed).	The Trade Report is successfully submitted..
2	Receive a Trade Capture Report Ack . *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade is accepted
3	Receive TCR Ack *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Replace)*	Server Initiated TCR (TCR-S) is received signifying trade is deferred.
4	Receive TCR Ack *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Replace)*	Server Initiated TCR (TCR-S) is received signifying trade is supplementary deferred.
5	Receive TCR Ack *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Published)* *RegulatoryReportType(1934) - returned with Supplementary deferral tag*	Server Initiated TCR (TCR-S) is received signifying trade is published.

4.3.12 *Client Set Supplementary Deferral*

Type: TRADEcho Gateway [APA]	**ID #: APA-014**	**Assisted Test: N**	**Mandatory: N**
Description: Send a Trade Report with Supplementary Deferral override to set the deferral regime			
Comments:			
Prerequisites Already logged on from previous Test Case.			

#	Test Steps	Expected Results
1	Enter a Trade Capture *Tag 35(MsgType) = AE* *Tag 1390(TradePublishIndicator) =2 or not sent* *Tag 20200(ApplySupplementaryDeferral) = Y or not sent* *Tag 1934(RegulatoryReportType) - any accepted value OR* *Tag 20201(ExtendedSupplementaryDeferralRegime) - 101* (Please refer to (1) the ADT delay regime model in the business parameters document and (2) the reference data file for ADT values of securities for trades qualifying to be delayed).	The Trade Report is successfully submitted.
2	Receive a Trade Capture Report Ack . *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade is accepted
3	Receive TCR Ack *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Replace)*	Server Initiated TCR (TCR-S) is received signifying trade is deferred.
4	Receive TCR Ack *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Replace)*	Server Initiated TCR (TCR-S) is received signifying trade is supplementary deferred.
5	Receive TCR Ack *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Published)* *RegulatoryReportType(1934) - returned with Supplementary deferral tag OR 20201 returned*	Server Initiated TCR (TCR-S) is received signifying trade is published.

4.3.13 *Submit a Trade Report to the EU APA*

Type: TRADEcho Gateway [APA]	**ID #: APA-015**	**Assisted Test: N**	**Mandatory: N**
Description: Send a Trade Report with TargetAPA override to ECEU			
Comments:			
Prerequisites Already logged on			

#	Test Steps	Expected Results
1	Enter a Trade Capture *Tag 35(MsgType) = AE* *Tag 25011(TargetAPA) - ECEU*	The Trade Report is successfully submitted to the EU APA.
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade is accepted

4.3.14 *Submit a Trade Report as an SI*

Type: TRADEcho Gateway [APA]	**ID #: APA-016**	**Assisted Test: N**	**Mandatory: N**
Description: Send a Trade Report with SI MIC included			
Comments:			
Prerequisites Already logged on			

#	Test Steps	Expected Results
1	Enter a Trade Capture *Tag 35(MsgType) = AE* *Tag 1430(VenueType) - O (Off-book)* *Tag 574(MatchType) – 9 (SI)* *Tag 25026(SiMic) - MIC for the SI where trade occurred.*	The Trade Report is successfully submitted with SI included.
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade is accepted

4.4 Trade Reporting - SRR

4.4.1 *Enter a Trade Report using ISIN*

Type: TRADEcho Gateway [SRR]	**ID #: SRR-001**	**Assisted Test: N**	**Mandatory: N**
Description: Enter a Trade Report via the SRR. for immediate publication on TRADEcho			
Comments:			
Prerequisites: Already logged on from previous Test Case			

#	Test Steps	Expected Results
1	Enter a Trade Capture Report. *Tag 35(MsgType) = AE* *Tag 25011 (TargetAPA) = ECHO (ECEU, BOTC, TREA, TWEA)* *Tag 22(SecurityIDSources) = 4 (ISIN)* *Tag 48(SecurityID) = <ISIN>*	The Trade Report is successfully submitted.
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade report.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *Tag 25000(SRRStatus) - 1 (Open)*	Server Initiated TCR (TCR-S) is received signifying eligibility for trade reporting
4	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *Tag 25000(SRRStatus) - 2 (Complete))* *Tag 487 (TradeReportTransType) = 3 (Release)*	Server Initiated TCR (TCR-S) is received signifying trade is published.

4.4.2 *Enter a Trade Report using Instrument ID*

Type: TRADEcho Gateway [SRR]	**ID #: SRR-002**	**Assisted Test: N**	**Mandatory: N**
Description: Enter a Trade Report via the SRR. for immediate publication on TRADEcho using LSE Instrument ID			
Comments:			
Prerequisites: Already logged on from previous Test Case			

#	Test Steps	Expected Results
1	Enter a Trade Capture Report. *Tag 35(MsgType) = AE* *Tag 25011 (TargetAPA) = ECHO (ECEU, BOTC, TREA, TWEA)* *Tag 22(SecurityIDSources) = 8 (LSE ID)* *Tag 48(SecurityID) = <LSE ID>*	The Trade Report is successfully submitted.
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade report.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *Tag 25000(SRRStatus) - 1 (Open)*	Server Initiated TCR (TCR-S) is received signifying eligibility for trade reporting
4	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *Tag 25000(SRRStatus) - 2 (Complete))* *Tag 487 (TradeReportTransType) = 3 (Release)*	Server Initiated TCR (TCR-S) is received signifying trade is published.

4.4.3 *Cancel a Trade Report*

Type: TRADEcho Gateway [SRR]	**ID #: SRR -003**	**Assisted Test: N**	**Mandatory: N**
Description: Cancel a previously published Trade Report via SRR.			
Comments:			
Prerequisites: Already logged on from previous Test Case.			

#	**Test Steps**	**Expected Results**
1	Cancel the Trade entered in previous test. *Tag 35(MsgType) = AE* *Tag 25011 (TargetAPA) = ECHO (ECEU, BOTC, TREA, TWEA)* *Tag 487 (TradeReportTransType) = 1* *Tag 1003(TradeID) = Trade ID of original trade to cancel]*	The Trade Report is cancelled.
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	Receive a Trade Capture Report Ack.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *Tag 25000 (SRRStatus) = 2 (Complete)* *Tag 487 (TradeReportTransType) =2 (Replace)* *Tag 150 (ExecType) = H (Trade Cancel)*	Server Initiated TCR (TCR-S) is received.

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4.4.4 *Amend a Trade Report*

Type: TRADEcho Gateway [SRR]	**ID #: SRR -004**	**Assisted Test: N**	**Mandatory: N**
Description: Amend a previously published Trade Report			
Comments:			
Prerequisites: Already logged on from previous Test Case.			

#	**Test Steps**	**Expected Results**
1	Cancel the Trade entered in previous test. *Tag 35(MsgType) = AE* *Tag 25011 (TargetAPA) = ECHO (ECEU, BOTC, TREA, TWEA)* *Tag 487 (TradeReportTransType) = 2* *Tag 1003(TradeID) = Trade ID of original trade to cancel*	The Trade Report is amended.
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	Receive a Trade Capture Report Ack.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE*	Server Initiated TCR (TCR-S) is received when trade is amended.

4.4.5 *System Set Deferral*

Type: TRADEcho Gateway [SRR]	**ID #: SRR-006**	**Assisted Test: N**	**Mandatory: N**
Description: Trade report for delayed publication and trade value that qualifies for delayed publication, following the delay model set by the system.			
Comments:			
Prerequisites Already logged on from previous Test Case.			

#	Test Steps	Expected Results
1	Enter a Trade Capture Report with delayed publication requested, and which meets the size requirements for being delayed. *Tag 35(MsgType) = AE* *Tag 25011 (TargetAPA) = ECHO (ECEU, BOTC, TREA, TWEA)* *Tag 1390 (TradePublishIndicator) = 2* *Tag 487 (TradeReportTransType) = 0* (Please refer to (1) the ADT delay regime model in the business parameters document and (2) the reference data file for ADT values of securities for trades qualifying to be delayed).	The Trade Report is successfully submitted.
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade report.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Replace)*	Server Initiated TCR (TCR-S) is received signifying trade is deferred
4	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *TradeReportTransType (487) = 3 (Release)*	Server Initiated TCR (TCR-S) is received.

4.4.6 *Pre-Release Trade Report*

Type: TRADEcho Gateway [SRR]	**ID #: SRR-007**	**Assisted Test: N**	**Mandatory: N**
Description: Pre-release a Trade Report.			
Comments:			
Prerequisites Already logged on from previous Test Case.			

#	Test Steps	Expected Results
1	Pre-release the trade report entered in previous test case. *Tag 35(MsgType) = AE* *Tag 25011 (TargetAPA) = ECHO (ECEU, BOTC, TREA, TWEA)* *Tag 487 (TradeReportTransType) = 3 (Release)* *Tag 1003 (TradeID) = Trade ID of the trade report to pre-release*	The Trade Report is Pre-released successfully.
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE*	Server Initiated TCR (TCR-S) is received.

4.4.7 *Client Set Deferral*

Type: TRADEcho Gateway [SRR]	**ID #: SRR-008**	**Assisted Test: N**	**Mandatory: N**
Description: Trade Report for delayed publication with publication date time set by the client.			
Comments:			
Prerequisites Already logged on from previous Test Case.			

#	**Test Steps**	**Expected Results**
1	Enter a Trade Capture Report with delayed publication requested, and which meets the size requirements for being delayed. *Tag 35(MsgType) = AE* *Tag 25011 (TargetAPA) = ECHO (ECEU, BOTC, TREA, TWEA)* *Tag 1390 (TradePublishIndicator) = 2* *Tag 487 (TradeReportTransType) = 0* *Tag 7552 (DelaytoTime) = Date and Time (in UTC) to publish*	The Trade Report is successfully submitted.
2	Receive a Trade Capture Report Ack . *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Replace)*	Server Initiated TCR (TCR-S) is received signifying trade is deferred
4	Receive Server Initiated TCR. *Tag 35(MsgType) = AE*	Server Initiated TCR (TCR-S) is received when trade is published.

4.4.8 *Send Trade Reports - Gilts*

Type: TRADEcho Gateway [SRR]	**ID #: SRR-009**	**Assisted Test: N**	**Mandatory: N**
Description: Send a trade report for a Gilts product			
Comments:			
Prerequisites Already logged on from previous Test Case.			

#	**Test Steps**	**Expected Results**
1	Enter a Trade Capture Report for a Gilt Instrument. *Tag 35(MsgType) = AE* *Tag 25011 (TargetAPA) = ECHO, ECEU*	The Trade Report is successfully submitted.
2	Receive a Trade Capture Report Ack . *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade report.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *Tag 25000(SRRStatus) - 1 (Open)*	Server Initiated TCR (TCR-S) is received signifying eligibility for trade reporting
4	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *Tag 25000(SRRStatus) - 2 (Complete))* *Tag 487 (TradeReportTransType) = 3 (Release)*	

4.4.9 *Enter a Trade Report - Routed to External APA*

Type: TRADEcho Gateway [SRR]	**ID #: SRR-011**	**Assisted Test: N**	**Mandatory: N**
Description: Enter a Trade Report via the SRR. for immediate publication on TRADEcho			
Comments:			
Prerequisites: Already logged on from previous Test Case			

#	Test Steps	Expected Results
1	Enter a Trade Capture Report. *Tag 35(MsgType) = AE* *Tag 25011 (TargetAPA) = BOTC (BATS), TREA(TradeWeb UK)), TWEA (TradeWeb EEA)*	The Trade Report is successfully submitted. .
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade report.
3	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *Tag 25000(SRRStatus) - 1 (Open)*	Server Initiated TCR (TCR-S) is received signifying eligibility for trade reporting
4	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *Tag 25000(SRRStatus) - 2 (Complete)* *Tag 487 (TradeReportTransType) = 3 (Release)*	Server Initiated TCR (TCR-S) is received when trade report is published.

4.4.10 *Assisted Reported Trade Report*

Type: TRADEcho Gateway [SRR]	**ID #: SRR-012**	**Assisted Test: N**	**Mandatory: N**
Description: Assisted trade report on -behalf of authorised firm			
Comments:			
Prerequisites Already logged on from previous Test Case.			

#	**Test Steps**	**Expected Results**
1	Enter a Trade Capture Report as Assisted Reported *Tag 35(MsgType) = AE* *Tag 25011 (TargetAPA) = ECHO (ECEU, BOTC, TREA, TWEA)* *Tag 25018 = 1, 2 OR 3* *Tag 1390 (TradePublishIndicator) = 2* *Tag 487 (TradeReportTransType) = 0*	The Trade Report is successfully submitted. Receive a Trade Capture Report Ack .
2	Receive a Trade Capture Report Ack . *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade cancellation.
4	Receive Server Initiated TCR. *Tag 35(MsgType) = AE*	Server Initiated TCR (TCR-S) is received when trade is published.

4.4.11 *Override Rejected Trade Report*

Type: TRADEcho Gateway [SRR]	**ID #: SRR-013**	**Assisted Test: N**	**Mandatory: Y**
Description: Override a rejected trade report due to price validation checks.			
Comments:			
Prerequisites Already logged on from previous Test Case.			

#	Test Steps	Expected Results
1	Enter a Trade Capture Report with price outside validations. *Tag 35(MsgType) = AE* *Tag 25011 (TargetAPA) = ECHO (ECEU, BOTC, TREA, TWEA)*	The Trade Report is successfully submitted. Receive a Trade Capture Report Reject
2	Receive a Trade Capture Report Ack . *Tag 35(MsgType) = AR* *Tag 939(TrdRptStatus) = 0 (Accepted)*	Trade Capture Report Ack is received
3	*Receive Trade Capture Report* *Tag 35(MsgType) = AE* *Tag 25000(SRR Status) = Open*	Trade Capture Report Received
4	Receive Trade Capture Report Rejecting the trade with *Tag 35(MsgType) = AE* *Tag 25000(SRR Status) = Open* *Exec Type = F (Trade)* *TrdRptStatus = 1 (Rejected)*	Trade Capture Report received.
5	Re-Enter same Trade Capture Report with override flag set. *Tag 35(MsgType) = AE* *Tag 7596(PxQtyReviewed) = Y*	
6	Receive a Trade Capture Report Ack . *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade report
7	Receive a Trade Capture Report Ack . *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade report.
8	Receive Server Initiated TCR. *Tag 35(MsgType) = AE* *Tag 25000(SRRStatus) - 1 (Open)*	Server Initiated TCR (TCR-S) is received signifying eligibility for trade reporting
9	Receive Server Initiated TCR. *Tag 35(MsgType) = AE*	

	Tag 25000(SRRStatus) - 2 (Complete)) *Tag 487 (TradeReportTransType) = 3 (Release)*	

4.4.12 *System Set Supplementary Deferral*

Type: TRADEcho Gateway [APA]	**ID #: SRR-014**	**Assisted Test: N**	**Mandatory: N**
Description: Send a Trade Report with System set Supplementary Deferral			
Comments:			
Prerequisites Already logged on from previous Test Case.			

#	Test Steps	Expected Results
1	Enter a Trade Capture *Tag 35(MsgType) = AE* *Tag 1390(TradePublishIndicator) =2 or not sent* *Tag 25011 (TargetAPA) = ECHO (ECEU, BOTC, TREA, TWEA)* *Tag 487 (TradeReportTransType) = 0* *Tag 20200(ApplySupplementaryDeferral) = Y or not sent* (Please refer to (1) the ADT delay regime model in the business parameters document and (2) the reference data file for ADT values of securities for trades qualifying to be delayed).	The Trade Report is successfully submitted..
2	Receive a Trade Capture Report Ack . *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade is accepted
3	Receive TCR Ack *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Replace)*	Server Initiated TCR (TCR-S) is received signifying trade is deferred.
4	Receive TCR Ack *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Replace)*	Server Initiated TCR (TCR-S) is received signifying trade is supplementary deferred.
5	Receive TCR Ack *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Published)* *RegulatoryReportType(1934) - returned with Supplementary deferral tag*	Server Initiated TCR (TCR-S) is received signifying trade is published.

4.4.13 *Client Set Supplementary Deferral*

Type: TRADEcho Gateway [APA]	**ID #: SRR-015**	**Assisted Test: N**	**Mandatory: N**
Description: Send a Trade Report with Supplementary Deferral override to set the deferral regime			
Comments:			
Prerequisites Already logged on from previous Test Case.			

#	Test Steps	Expected Results
1	Enter a Trade Capture *Tag 35(MsgType) = AE* *Tag 1390(TradePublishIndicator) =2 or not sent* *Tag 487 (TradeReportTransType) = 0* *Tag 25011 (TargetAPA) = ECHO (ECEU, BOTC, TREA, TWEA)* *Tag 20200(ApplySupplementaryDeferral) = Y or not sent* *Tag 1934(RegulatoryReportType) - any accepted value OR* *Tag 20201(ExtendedSupplementaryDeferralRegime) - 101* (Please refer to (1) the ADT delay regime model in the business parameters document and (2) the reference data file for ADT values of securities for trades qualifying to be delayed).	The Trade Report is successfully submitted.
2	Receive a Trade Capture Report Ack . *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade is accepted
3	Receive TCR Ack *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Replace)*	Server Initiated TCR (TCR-S) is received signifying trade is deferred.
4	Receive TCR Ack *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Replace)*	Server Initiated TCR (TCR-S) is received signifying trade is supplementary deferred.

5	Receive TCR Ack *Tag 35(MsgType) = AE* *TradeReportTransType (487) =2 (Published)* *RegulatoryReportType(1934) - returned with Supplementary deferral tag OR 20201 returned*	Server Initiated TCR (TCR-S) is received signifying trade is published.

4.4.14 *Submit a Trade Report to EU APAs*

Type: TRADEcho Gateway [APA]	**ID #: SRR-016**	**Assisted Test: N**	**Mandatory: N**
Description: Send a Trade Report with TargetAPA override to ECEU			
Prerequisites Already logged on			

#	**Test Steps**	**Expected Results**
1	Enter a Trade Capture *Tag 35(MsgType) = AE* *Tag 25011(TargetAPA) - ECEU(TRADEcho) or BATE(BATS) or TREU (TradeWeb)*	The Trade Report is successfully submitted to the chosen EU APA.
2	Receive a Trade Capture Report Ack. *Tag 35(MsgType) = AR*	Trade Capture Report Ack is received acknowledging the trade is accepted

4.5 SI Quoting

4.5.1 *Submit Mass Quote*

Type: TRADEcho Gateway SI Quoting	**ID #: SI-001**	**Assisted Test: N**	**Mandatory: N**
Description: Submit Mass Quote for a single or multiple securities. In each MassQuote, every QuoteSet shall contain one or more quote entries for a single security, and a security may only be part of one QuoteSet per message. By default this will target the UK APA.			
Comments:			
Prerequisites None.			

#	**Test Steps**	**Expected Results**
1	Enter MassQuote for one or more securities *Tag 35 (MsgType) = i*	Successful Submission of Mass Quote
2	Receive MassQuoteAcknowledgement *Tag 35 (Msg Type) = b*	Receive Mass Quote Ack.

4.5.2 *Amend Mass Quote*

Type: TRADEcho Gateway SI Quoting	**ID #: SI-002**	**Assisted Test: N**	**Mandatory: N**
Description: Successfully amend the Mass Quote submitted in the previous test case for one or more securities within the Mass Quote.			
Comments:			
Prerequisites: Test case SI-001 successfully submitted.			

#	**Test Steps**	**Expected Results**
1	Enter MassQuote for one or more securities within the previous SI list to be amended with new quote value/s. QuoteID is the same as the previous test. *Tag 35 (MsgType) = i* *Tag 299 (QuoteEntryID) - unique quote ID to be amended*	Mass Quote amendment request to be submitted.
2	Receive MassQuoteAcknowledgement . *Tag 35 (Msg Type) = b*	Receive Mass Quote Ack.

4.5.3 *Cancel Mass Quote*

Type: TRADEcho Gateway SI Quoting	**ID #: SI-003**	**Assisted Test: N**	**Mandatory: N**
Description: Quote submitter cancels the mass quote submitted in the previous test scenario.			
Comments:			
Prerequisites: Test case SI-001 successfully submitted.			

#	**Test Steps**	**Expected Results**

1	Enter QuoteCancel for either All quotes, All quote for one or more securities or all quote for on or more specific securities within a QuoteID
	
	Tag 35 Msgtype) = Z
	• All quotes
	  ○ Tag 298 (QuoteCancelType) = 4
	• All quotes for one or more specific securities
	  ○ Tag 298 (QuoteCancelType) = 1
	• All quotes for one or more specified securities within a QuoteID
	  ○ Tag 298 (QuoteCancelType) = 5
	  ○ Tag 299 (QuoteEntryID) – unique quote ID to be amended.
		Successful Mass Quote Ack

2	Receive MassQuoteAcknowledgement. *Tag 35 (Msg Type) = b* *Tag 297(QuoteStatus) = 0*	Receive Mass Quote Ack

4.5.4 *Suspend Quote*

Type: TRADEcho Gateway SI Quoting	**ID #: SI-004**	**Assisted Test: N**	**Mandatory: N**
Description: Successfully submit a Suspended Quote, suspending at least one security for quoting and re-enable.			
Comments:			
Prerequisites None.			

#	Test Steps	Expected Results
1	Enter SuspendQuote suspending at least one security for quoting. *Tag 35 (MsgType) = U3*	Quote Suspend Successfully submitted
2	Receive SuspendQuoteStatusReport. *Tag 35 (MsgType) = U4* *Tag 7580(SuspendQuotingStatus) = 0*	Receive successful Ack.
3	Submit a MassQuote in the suspended security. *Tag 35 (MsgType) = j*	
4	Receive reject in MassQuoteAcknowledgement. *Tag 35 (MsgType) = b* *Tag 1167(QuoteEntryStatus) = 5*	MassQuoteAck is returned rejecting the quote.
5	Enter SuspendQuote to re-enable security for quoting. *Tag 35 (MsgType) = U3*	Re-enable the security for quoting.
6	Receive SuspendQuoteStatusReport. *Tag 35 (MsgType) = U4* *Tag 7580(SuspendQuotingStatus) = 0*	Successful Ack for SuspendQuote message.
7	Enter a MassQuote for the re-enabled security for quoting. *Tag 35 (MsgType) = j*	Mass Quote successfully submitted.
8	Receive MassQuoteAcknowledgement. *Tag 35 (MsgType) = b*	Receive Mass Quote Ack.

4.5.5 *Submit Mass Quote to EU APA*

Type: TRADEcho Gateway SI Quoting	**ID #: SI-005**	**Assisted Test: N**	**Mandatory: N**
Description: Submit Mass Quote for a single or multiple securities. In each MassQuote, every QuoteSet shall contain one or more quote entries for a single security, and a security may only be part of one QuoteSet per message. This quote will target the EU APA.			
Comments:			
Prerequisites None.			

#	Test Steps	Expected Results
1	Enter MassQuote for one or more securities *Tag 35 (MsgType) = i* *Tag 25011 (TargetAPA) - ECEU*	Successful Submission of Mass Quote to EU APA
2	Receive MassQuoteAcknowledgement *Tag 35 (Msg Type) = b*	Receive Mass Quote Ack.