

UTI and PUTI generation logic for EMIR reporting

November 2018

Version 1.5

1.0 Introduction

1.1 Purpose

The European Markets Infrastructure Regulation Level 3, commonly referred to as EMIR III, has legally entered into effect on the 1 November 2017. One of its key provisions is Article 4a “*Unique Trade Identifier*” (https://eur-lex.europa.eu/legal-content/EN/TXT/?toc=OJ:L:2017:017:TOC&uri=uriserv:OJ.L_.2017.017.01.0017.01.ENG).

The aim of this document is to provide such logic for further use by members.

1.2 Regulatory background

EMIR’s main legal framework that establishes reporting requirements is made up of the following EU legislation:

- (a) Commission Delegated Regulation No 148/2013 of 19 December 2012 regarding technical standards on the minimum details of the data to be reported to the trade repositories.
- (b) Commission Delegated Regulation No 149/2013 regarding technical standards on indirect clearing arrangements, the clearing obligation, the public register, access to a trading venue, non-financial counterparties, and risk mitigation techniques for OTC derivatives contracts not cleared by a CCP (central counterparty).
- (c) Commission Implementing Regulation No 1247/2012 regarding the format and the frequency of trade reports to the trade repositories.
- (d) Commission Delegated Regulation No 151/2013 regarding technical standards specifying the data to be published and made available by trade repositories and operational standards for aggregating, comparing and accessing the data.
- (e) Commission Delegated Regulation No 285/2014 regarding technical standards on direct, substantial and foreseeable effect on contracts within the Union and to prevent the evasion of rules and obligations.
- (f) Revised RTS – Commission Delegated Regulation (EU) 2017/104 amending Delegated Regulation No 148/2013
- (g) (g) Revised ITS – Commission Implementing Regulation (EU) 2017/105 amending Implementing Regulation No 1247/2012,

2.0 LSEDM Solution Description

The EMIR requirements state that each ETD executed need to be uniquely identified through the **Unique Trade Identifier (UTI)** assigned by the relevant CCP. Furthermore, a **PUTI** needs to be reported. The **PUTI** identifies the unique key of the position which the trade belongs to.

This section is used to describe the high level solution provided by LSEDM to meet the UTI and PUTI requirements:

2.1 PUTI

The PUTI is composed as described below:

Constant Prefix	000XLCH000
Variable Part	MemberMnemonic ClientReference AccountType ISIN Strike Price BusinessDate

Where:

Field	BCS Message	BCS Field Name
MemberMnemonic	<i>NotifyNonClearingMemberCodes</i>	<i>Mnemonic</i>
	If the <i>MemberType</i> in <i>NotifyNonClearingMemberCodes</i> is equal to 'S' (ISA), 'M' (OSA Net), 'O' (OSA Gross), or 'P' (Multiple OSA) the GCM'sMnemonic must be used.	
ClientReference	<i>NotifyNonClearingMemberCodes</i>	<i>Mnemonic (or 'Empty')</i>
	If the <i>MemberType</i> in <i>NotifyNonClearingMemberCodes</i> is equal to 'S' (ISA), 'M' (OSA Net), 'O' (OSA Gross), or 'P' (Multiple OSA), the <i>Mnemonic</i> must be used. A client reference must not be added otherwise.	
AccountType	<i>NotifyNonClearingMemberCodes</i>	"Segregated", "House", or "Client"
	If the <i>MemberType</i> in <i>NotifyNonClearingMemberCodes</i> is equal to 'S' (ISA), 'M' (OSA Net), 'O' (OSA Gross), or 'P' (Multiple OSA), the content of the field must be <i>Segregated</i> . In all other cases, the value of the <i>AccountType</i> field must be retrieved from <i>NotifyPositions</i> . If the value retrieved if 'P', then the field must be <i>House</i> ; if the value retrieved is 'C', then the field must be <i>Client</i> .	
ISIN	<i>NotifyPositions</i>	<i>ISINCode</i>
Strike Price	<i>NotifyPositions</i>	<i>StrikePrice</i>
	To be specified only if the value of the <i>ProductType</i> field in <i>NotifyPositions</i> is equal to 'O' (Option).	
BusinessDate	<i>NotifyPositions</i>	<i>OpeningDate</i>

Examples

1. PUTI generation against new trade received on a Future instrument.

Field	Value	Details
Constant Prefix	000XLCH000	
MemberMnemonic	ABC	<i>MemberType</i> value is 'N' (Non Clearing Member). The content of the <i>Mnemonic</i> field is reported.
ClientReference	-	Left empty as <i>MemberType</i> value is 'N' (Non Clearing Member).
AccountType	Client	<i>MemberType</i> value is 'N' (Non Clearing Member). The value of the <i>AccountType</i> field is thus checked; the value retrieved is 'C', then the field is valued as <i>Client</i> .
ISIN	NOOB00869507	
Strike Price	-	<i>ProductType</i> field is equal to 'F' (Future), no Strike Price must be specified.
BusinessDate	20181015	
PUTI	000XLCH000ABCCClientNOOB0086950720181015	

2. PUTI generation against new trade received on an Option instrument.

Field	Value	Details
Constant Prefix	000XLCH000	
MemberMnemonic	DEF	<i>MemberType</i> value is 'G' (General Clearing Member). The content of the <i>Mnemonic</i> field is reported.
ClientReference	-	Left empty as <i>MemberType</i> value is 'G' (General Clearing Member).
AccountType	House	<i>MemberType</i> value is 'G' (General Clearing Member). The value of the <i>AccountType</i> field is thus checked; the value retrieved is 'H', then the field is valued as <i>House</i> .
ISIN	NOOB00872477	
Strike Price	128.5	<i>ProductType</i> field is equal to 'O' (Option), the value in the <i>StrikePrice</i> is reported specified.
BusinessDate	20181015	
PUTI	000XLCH000DEFHouseNOOB00872477128.520181105	

3. PUTI generation against new trade received (Take-up).

Field	Value	Details
Constant Prefix	000XLCH000	
MemberMnemonic	ABC	<i>MemberType</i> value is 'O' (OSA Gross). The content of the <i>Mnemonic</i> field for the GCM is reported.
ClientReference	XYZ	<i>MemberType</i> value is 'O' (OSA Gross). The content of the <i>Mnemonic</i> field for the Member is reported.
AccountType	House	<i>MemberType</i> value is 'O' (OSA Gross), then the field is valued as <i>Segregated</i> .
ISIN	NOOB00869507	
Strike Price	-	<i>ProductType</i> field is equal to 'F' (Future), no Strike Price must be specified.
BusinessDate	20181012	
PUTI	000XLCH000ABCXYZSegregatedNOOB0086950720181012	

2.2 Trades UTI

The UTI can be derived by applying the following logic:

Constant Prefix	000XLCH000
Variable Part	Verb ISIN ReceivedDate TradeNumber MemberCode

Where:

Field	BCS Message	BCS Field Name
Verb	<i>NotifyContracts</i>	<i>Side</i>
ISIN	<i>NotifyContracts</i>	<i>ISINCode</i>
ReceivedDate	<i>NotifyContracts</i>	<i>ContractDate</i>
TradeNumber	<i>NotifyContracts</i>	<i>MarketContractNumber</i>
MemberCode	<i>NotifyClearingMemberCodes</i>	<i>ParticipantCode</i>
	Field to be added in case of Take-up only. Take-up transactions are the ones identified by the value 'G' (International/Automatic Give-Up) in the <i>TradeSource</i> field of the <i>NotifyContracts</i> message. In this case, the correspondent <i>AbiCode</i> value must	

Field	BCS Message	BCS Field Name
	be used as a key value to retrieve the correct <i>ParticipantCode</i> from <i>NotifyClearingMemberCodes</i> .	

For Split Trades:

- The *MarketContractNumber* field has always a value between 800000 and 899999
- *MarketContractNumber* should be processed in the *NotifyContract* messages sent for each Split Trade.
- *MarketContractNumber* provided in the *NotifyContract* messages that are sent for each Split Trade also corresponds to the *ContractNumber* in the preceding *NotifySplitContract* message.

Examples

4. UTI generation against new trade received (Split trade)

Field	Value	Details
Constant Prefix	000XLCH000	
Verb	S	
ISIN	NOOB00869507	
ReceivedDate	20181105	
TradeNumber	800080	Being a split, the value of the <i>MarketContractNumber</i> is between 800000 and 899999.
MemberCode	-	<i>TradeSource</i> field is equal to 'S' (Split), no <i>MemberCode</i> to be added.
PUTI	000XLCH000SNOOB0086950720181105800080	

5. UTI generation against new trade received (Take-up of a Split trade)

Field	Value	Details
Constant Prefix	000XLCH000	
Verb	B	
ISIN	NOOB00869507	
ReceivedDate	20181105	



Field	Value	Details
TradeNumber	800005	Being a split, the value of the <i>MarketContractNumber</i> is between 800000 and 899999.
MemberCode	123	<i>TradeSource</i> field is equal to 'G' (International/Automatic Give-Up), no <i>MemberCode</i> to be added. The <i>AbiCode</i> in the <i>NotifyContracts</i> message must be used as a key to retrieve the correct <i>ParticipantCode</i> from <i>NotifyNonClearingMemberCodes</i> .
PUTI	000XLCH000BNOOB0086950720181105800005123	