CCP Harmonised Position File v2.2 Specification

EMIR Refit – Clearing Member File Specification

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Document History

Version	Date	Amendments
2.0	2024-03-06	New document
2.1	2024-05-31	2.5 – File Examples – Corrected example Position UTIs in Existing EMIR format to reflect changes for “Member Mnemonic” element of UTI. Appendix - Position UTI 2.0 format - Corrected “Member Mnemonic” row of table to “LME Clear Identifier” and amended description. Corrected sample value UTIs in this format accordingly. Appendix - Position UTI 2.0 format - Corrected FIX Tags for “ExpiryDate” and “PutOrCallIndicator” rows in table. Appendix - Position UTI 3.0 format – Corrected FIX Tag for “Account” element.
2.2	2024-07-04	Updated 2.4 – Field Names and Content - 2_60_Total notional quantity of leg 1 to reflect updated calculation. Corrected references in all sections of document referring to “Tag 5322 – FirmID” correcting this to “Tag 448 – PartyID where Tag 452 in same block = 1”. Changed references in all sections of document from “EMIR 2.0 format” to “Existing EMIR format”. Changed references in all sections of document from “EMIR 3.0 format” to “EMIR Refit format”.

Contents

1 Introduction

The CCP Harmonised Position File is a daily report of all EMIR reportable positions a Clearing Member has with LME Clear. Positions are displayed from LME Clear's perspective. The report includes a standardised list of fields agreed by the members of the European Association of Clearing Houses (EACH). This assists Clearing Members to improve reconciliation rates for EMIR reporting.

LME Clear started generating the CCP Harmonised Position File on Monday 15th March 2021. This version of the Harmonised Position File (v1) was designed for the Existing EMIR reporting specification.

The updated specification provided below (v2) has been agreed by the EACH to account for the new EMIR Refit reporting specification as part of EMIR Refit. The go-live date for ESMA reporting members to report according to the EMIR Refit reporting specification was Monday 29th April 2024. The go-live date for FCA reporting members to report according to the new EMIR Refit reporting specification is Monday 30th September 2024.

LME Clear made this new file available in April 2024 to all Clearing Members. Depending on their status, Clearing Members will be able to choose when to make use of the new file. The data will continue to reflect LME Clear's Existing EMIR reporting. The existing CCP Harmonised Position File will continue to be available until 30th September 2024, when it will stop being generated. From 30th September, only the new version of the CCP Harmonised Position File will be available to Clearing Members.

LME Clear reserves the right to make changes to the structure and content of the new CCP Harmonised Position File after 29th April 2024 and at any point in the future. Any such changes will be communicated to Clearing Members in advance.

2 CCP Harmonised Position File

2.1 Filename

The daily file is generated in a .csv format using the following naming convention.

CCPPOSITIONEMIR_[ENV]_[TEMPLATE VERSION]_LMEC_[MEMBER]_[C.O.B Date]_[SUFFIX VERSION]

- CCPPOSITIONEMIR; file name description (15 characters)
- ENV; the environment e.g. PRO, UAT (3 characters)
- TEMPLATE VERSION; the version of the template. This will be 002 for the new version (3 characters)
- CCP MIC CODE; it is set to "LMEC" (4 characters)
- MEMBER; the Member Mnemonic e.g. ABC (3 characters)
- REPORT DATE; the Position Reporting Date in format YYYYMMDD (8 characters)
- SUFFIX VERSION; the version of the report, usually 001 but if a report has to be re-run the same day, the second version will end in 002 (3 characters)

Example file name for a Production file for Member ABC including positions for COB 31st October 2024: "CCPPOSITIONEMIR_PRO_002_LMEC_ABC_20241031_001.csv"

2.2 Header Record

The header record is the first row of the worksheet. This will be comprised of the column names in order.

2.3 Footer Record

The footer row will contain the number of records in the file excluding the header and footer row. For example, for a file with 126 records the footer row will be:
"NOL, 126".

2.4 Field Names and Content

The file should contain one record for each open instrument position for each Position Account ID. Note a single position file is used to represent positions of all instrument types.

"Data Type" has been provided as a descriptive field – further information as to the precise format of the field can be seen in the "Comment" column.

Where "Data Type" is given as "Decimal", the first number in the Characters column is the maximum number of total digits permitted in the value and the second number is the maximum number of total digits permitted after the decimal place. "14,2" for example, means a maximum number of 14 digits in the field with 2 of the 14 digits reserved for places after the decimal point.

Column	Field Name	Data Type	Characters	Comment
1	C.O.B Date	Date	8	Position reporting date in YYYYMMDD format.
2	1_4_Counterparty 1 (Reporting Counterparty)	String	20	LEI of LME Clear – “213800L8AQD59D3JRW81”.
3	1_17_Direction	String	4	The CCP’s side of the position. Either populated as “BYER” (Buy) or “SLLR” (Sell).
4	2_21_Valuation amount	Decimal	25,5	The CCP’s valuation of the position.
5	2_22_Valuation currency	String	3	3 character currency code. To be populated with one of the following values: “USD” “EUR” “GBP” “JPY”
6	2_5_Product identification type	-	-	Identifier generated by the PTRR service provider or CCP providing the PTRR service in order to connect all derivatives entering into a given PTRR event and resulting from that PTRR event. Field not populated as this is not applicable for LME positions.
7	2_7_ISIN	String	12	ISIN of the tradable LME instrument.
8	2_1_UTI	String	Up to 52	Position UTI. Please refer to the Appendix for details on the existing and new format for Position UTI.
9	2_41_Venue of execution	String	4	Identification of the venue where the transaction was executed. LME MIC Code = “XLME”.
10	2_48_Price	Decimal	14,2	Closing price of the instrument.
11	2_60_Total notional quantity of leg 1	Integer	6	Calculated as lots x price multiplier for the instrument the position relates to. This figure will always be absolute and direction will be given in field number 3, “1_17_Direction”.
12	2_132_Option type	String	1	“C” for call option. “P” for put option. Only populated for Option/TAPO positions.
13	2_134_Strike price	Decimal	12,2	Option strike price. Only populated for Option/TAPO positions.
14	2_154_Level	String	1	This will be populated as “P” for position level.

Column	Field Name	Data Type	Characters	Comment
15	Clearing_Member_Code	String	3	Clearing Member Mnemonic, for example “ABC”.
16	Trading_Member_Code	-	-	Field not populated as this is not applicable for LME positions.
17	Exchange_Account_Code	String	Up to 20	Name of the Member Position Account in LMEmercury, for example “ABC_H_1”.
18	Position_Account_Owners	-	-	Field not populated as this is not applicable for LME positions.
19	Exchange_Product_Code	String	Up to 27	Where position is for a Future or Forward, value concatenated in the below way: “XLME” & CONTRACT (see column 5 on OPP_REG file) & “F” & Expiration Date (see column 20) & the 6 character CFI code relating to that product. Example = “XLMEAHDF20231101FCEPSX”. Where position is for an Option or TAPO, value concatenated in the below way: “XLME” & CONTRACT (see column 5 on OPP_REG file) & “OC” or “OP” (depending on if option is call or put) & maturity date of Option in YYYYMMDD format & Strike Price (see column 13) & the 6 character CFI code relating to that product. Example = “XLMEAHDOC202310042400OCAFPS”
20	2_44_Expiration date	Date	8	Prompt date of the tradable instrument in YYYYMMDD format.
21	2_3_Prior UTI	String	Up to 52	UTI assigned to the predecessor transaction that has given rise to the reported transaction due to a lifecycle event, in a one-to-one relation between transactions. This field will not be populated from go-live in April 2024 due to technical challenges. This field will be populated at a future date.
22	2_14_Underlying identification	String	12	ISIN of the underlying forward for options. This field will only be populated initially for positions on options from go-live in April 2024. This field will be populated for TAPO’s at a future date.
23	2_25_Delta	Decimal	7,6	Figure to 6dp between -1.000000 & +1.000000. This is the ratio of the change in price of the option to the underlying future.
24	2_42_Execution timestamp	Timestamp	17	This will be the execution timestamp of the first trade that created the position, in the following format: YYYYMMDD-hh:mm:ss

Column	Field Name	Data Type	Characters	Comment
				Execution timestamp for each venue has been determined to be: Ring – last second of the ring session for that metal. Select – LMEsmart matched time. Inter-office – LMEmercury cleared time. Example – “20240913-12:30:31”
25	2_48_Price notation	String	6	Will always be populated as “Amount”.
26	2_55_Notional amount	Decimal	25,5	Notional amount of leg 1 as referred to in Article 5 of the RTS. For non-options this is calculated as: Lots x Lot Size x Closing Price. For options & TAPO’s this is calculated as: Lots x Lot Size x Strike Price.
27	2_56_Notional amount currency	String	3	The currency in which the notional amount of leg 1 is denominated. To be populated with one of the following values: “USD” “EUR” “GBP” “JPY”

2.5 File Examples

The below examples show how a sample record may be populated for each contract type offered on LME. Where a field is not populated for a particular example, this has been labelled as “(Blank)”.

2.5.1 Forward

Column	Field Name	Sample Values
1	C.O.B Date	20251031
2	1_4_Counterparty 1	213800L8AQD59D3JRW81
3	1_17_Direction	SLLR
4	2_21_Valuation amount	1843.75
5	2_22_Valuation currency	USD
6	2_5_Product identification type	(Blank)
7	2_7_ISIN	GB0123456789
8	2_1_UTI	**Existing EMIR format:** E01LMEC000LMCABC_C_CLIENTAHD20251201
9	2_41_Venue of execution	XLME
10	2_48_Price	2285.25
11	2_60_Total notional quantity of leg 1	1
12	2_132_Option type	(Blank)
13	2_134_Strike price	(Blank)
14	2_154_Level	P
15	Clearing_Member_Code	ABC
16	Trading_Member_Code	(Blank)
17	Exchange_Account_Code	ABC_C_CLIENT
18	Position_Account_Owners	(Blank)
19	Exchange_Product_Code	XLMEAHDF20251201FCEPSX
20	2_44_Expiration date	20251201
21	2_3_Prior UTI	(Blank)
22	2_14_Underlying identification	(Blank)
23	2_25_Delta	(Blank)
24	2_42_Execution timestamp	20240730-12:00:00
25	2_48_Price notation	Amount
26	2_55_Notional amount	285656.25
27	2_56_Notional amount currency	USD

2.5.2 LMEmini

Column	Field Name	Sample Values
1	C.O.B Date	20241104
2	1_4_Counterparty 1	213800L8AQD59D3JRW81
3	1_17_Direction	BYER
4	2_21_Valuation amount	-95.31
5	2_22_Valuation currency	USD
6	2_5_Product identification type	(Blank)
7	2_7_ISIN	GB9876543210
8	2_1_UTI	**EMIR Refit format:** 213800L8AQD59D3JRW81GB9876543210ABCCCLIENT
9	2_41_Venue of execution	XLME
10	2_48_Price	390
11	2_60_Total notional quantity of leg 1	1
12	2_132_Option type	(Blank)
13	2_134_Strike price	(Blank)
14	2_154_Level	P
15	Clearing_Member_Code	ABC
16	Trading_Member_Code	(Blank)
17	Exchange_Account_Code	ABC_C_CLIENT
18	Position_Account_Owners	(Blank)
19	Exchange_Product_Code	XLMESCDF20241231FCECSX
20	2_44_Expiration date	20241231
21	2_3_Prior UTI	(Blank)
22	2_14_Underlying identification	(Blank)
23	2_25_Delta	(Blank)
24	2_42_Execution timestamp	20241002-13:00:00
25	2_48_Price notation	Amount
26	2_55_Notional amount	1950
27	2_56_Notional amount currency	USD

2.5.3 Option

Column	Field Name	Sample Values
1	C.O.B Date	20241120
2	1_4_Counterparty 1	213800L8AQD59D3JRW81
3	1_17_Direction	SLLR
4	2_21_Valuation amount	2270.5
5	2_22_Valuation currency	USD
6	2_5_Product identification type	(Blank)
7	2_7_ISIN	GB7654321098
8	2_1_UTI	**Existing EMIR format:** E01LMEC000LMCABC_H_1PBD20250131
9	2_41_Venue of execution	XLME
10	2_48_Price	45.42
11	2_60_Total notional quantity of leg 1	5
12	2_132_Option type	C
13	2_134_Strike price	2250
14	2_154_Level	P
15	Clearing_Member_Code	ABC
16	Trading_Member_Code	(Blank)
17	Exchange_Account_Code	ABC_H_1
18	Position_Account_Owners	(Blank)
19	Exchange_Product_Code	XLMEPBDOC202501312250OCAFPS
20	2_44_Expiration date	20250131
21	2_3_Prior UTI	(Blank)
22	2_14_Underlying identification	GB6543210987
23	2_25_Delta	0.205612
24	2_42_Execution timestamp	20240810-12:00:00
25	2_48_Price notation	Amount
26	2_55_Notional amount	281250
27	2_56_Notional amount currency	USD

2.5.4 TAPO (Traded Average Price Option)

Column	Field Name	Sample Values
1	C.O.B Date	20241202
2	1_4_Counterparty 1	213800L8AQD59D3JRW81
3	1_17_Direction	BYER
4	2_21_Valuation amount	5000
5	2_22_Valuation currency	USD
6	2_5_Product identification type	(Blank)
7	2_7_ISIN	GB5432109876
8	2_1_UTI	**EMIR Refit format:** 213800L8AQD59D3JRW81GB5432109876ABCCCLIENT
9	2_41_Venue of execution	XLME
10	2_48_Price	1010
11	2_60_Total notional quantity of leg 1	100
12	2_132_Option type	P
13	2_134_Strike price	19500
14	2_154_Level	P
15	Clearing_Member_Code	ABC
16	Trading_Member_Code	(Blank)
17	Exchange_Account_Code	ABC_C_CLIENT
18	Position_Account_Owners	(Blank)
19	Exchange_Product_Code	XLMENIDOP2025013119500OPXTCS
20	2_44_Expiration date	20250131
21	2_3_Prior UTI	(Blank)
22	2_14_Underlying identification	GB4321098765
23	2_25_Delta	-0.069875
24	2_42_Execution timestamp	20241120-10:23:45
25	2_48_Price notation	Amount
26	2_55_Notional amount	48750000
27	2_56_Notional amount currency	USD

2.5.5 Cash Settled Future

Column	Field Name	Sample Values
1	C.O.B Date	20241220
2	1_4_Counterparty 1	213800L8AQD59D3JRW81
3	1_17_Direction	SLLR
4	2_21_Valuation amount	48991.32
5	2_22_Valuation currency	USD
6	2_5_Product identification type	(Blank)
7	2_7_ISIN	GB3456789012
8	2_1_UTI	**Existing EMIR format:** E01LMEC000LMCABC_C_CLIENTHCD20250331
9	2_41_Venue of execution	XLME
10	2_48_Price	565
11	2_60_Total notional quantity of leg 1	80
12	2_132_Option type	(Blank)
13	2_134_Strike price	(Blank)
14	2_154_Level	P
15	Clearing_Member_Code	ABC
16	Trading_Member_Code	(Blank)
17	Exchange_Account_Code	ABC_C_CLIENT
18	Position_Account_Owners	(Blank)
19	Exchange_Product_Code	XLMEHCDF20250331FCECSX
20	2_44_Expiration date	20250331
21	2_3_Prior UTI	(Blank)
22	2_14_Underlying identification	(Blank)
23	2_25_Delta	(Blank)
24	2_42_Execution timestamp	20240503-10:23:46
25	2_48_Price notation	Amount
26	2_55_Notional amount	452000
27	2_56_Notional amount currency	USD

2.5.6 Monthly Average Future

Column	Field Name	Sample Values
1	C.O.B Date	20241202
2	1_4_Counterparty 1	213800L8AQD59D3JRW81
3	1_17_Direction	BYER
4	2_21_Valuation amount	30000
5	2_22_Valuation currency	USD
6	2_5_Product identification type	(Blank)
7	2_7_ISIN	GB5432109876
8	2_1_UTI	**EMIR Refit format:** 213800L8AQD59D3JRW81GB5432109876ABCH1
9	2_41_Venue of execution	XLME
10	2_48_Price	8400
11	2_60_Total notional quantity of leg 1	12
12	2_132_Option type	(Blank)
13	2_134_Strike price	(Blank)
14	2_154_Level	P
15	Clearing_Member_Code	ABC
16	Trading_Member_Code	(Blank)
17	Exchange_Account_Code	ABC_H_1
18	Position_Account_Owners	(Blank)
19	Exchange_Product_Code	XLMEOCDF20250131FCECSX
20	2_44_Expiration date	20250131
21	2_3_Prior UTI	(Blank)
22	2_14_Underlying identification	(Blank)
23	2_25_Delta	(Blank)
24	2_42_Execution timestamp	20241021-16:45:23
25	2_48_Price notation	Amount
26	2_55_Notional amount	1008000
27	2_56_Notional amount currency	USD

2.6 File location

This file will be available to Members via SFTP on the LME Clear SFTP at the end of each business day for that day's activity.

This file will be available in the following new folder location:

\YYYYMMDD\REG

Appendix - UTI Formats

New formats for the Position UTI and Trade UTI to meet the requirements of the EMIR 3.0 reporting schema will be adopted for positions and trades opened on or after **Friday 27th September 2024**.

UTIs in open positions at UK EMIR go-live will remain in the Existing EMIR format until maturity of the position.

Details of both the Existing EMIR and EMIR Refit formats are provided below.

Position UTI – Existing EMIR format

Element	Format	Characters	LMEsmart Fix Tag	Comment
ESMA Code	String	3	N/A	“E01” (fixed value)
CCP MIC	String	4	N/A	“LMEC” (fixed value)
Constant	String	3	N/A	“000” (fixed value)
LME Clear Identifier	String	3	N/A	“LMC” (fixed value)
Account Name	String	Up to 20	N/A	Can include underscores. Example = “ABC_H_1”.
Exchange Product Code	String	3	Tag 55 - Symbol	Product code, letters only. Example = “PBD”.
Expiry Date	Date	6	Tag 541 - MaturityDate	DDMMYY format. Example = “180924”.
Put/Call Indicator	String	1	Tag 461 - CFICode	Populated for Options/TAPOs only. If first two letters = “OC” – call option. If first two letters = “OP” – put option.
Strike Price	Integer	9	Tag 202 - StrikePrice	Options only. Example = “2500”.

A Position UTI under the Existing EMIR format can be up to 52 characters long.

An example Position UTI under the Existing EMIR format for a position on a non-option product:

“E01LMEC000LMCABC_H_1PBD180924”

An example Position UTI under the Existing EMIR format for a position on an option product:

“E01LMEC000LMCABC_H_1PBD020924P2500”

Position UTI – EMIR Refit format

Element	Format	Characters	LMEsmart Fix Tag	Comment
LME Clear LEI	String	20	N/A	“213800L8AQD59D3JRW81” (fixed value)
ISIN	String	12	N/A	ISO 6166 standard code designating a financial instrument. Example = “GB0123456789”
Member Mnemonic	String	3	Tag 448 – PartyID where Tag 452 in same block = 1. (This value can be hardcoded as your firm’s three letter Member mnemonic).	Member mnemonic. Example = “ABC”.
Position Account	String	1	Tag 581 - AccountType	Populated as either “H”, “C”, “S” or “G”.
Account Name	String	Up to 16	Tag 1 - Account	Alphanumeric string that will exclude underscores or any other special characters. Example = “1”

A Position UTI under the EMIR Refit format can be up to 52 characters long.

An example Position UTI under the EMIR Refit format:

“213800L8AQD59D3JRW81GB0123456789ABCH1”

Trade UTI – Existing EMIR format

Element	Format	Characters	LMEsmart Fix Tag	Comment
ESMA Code	String	3	N/A	“E01” (fixed value)
CCP MIC	String	4	N/A	“LMEC” (fixed value)
Constant	String	3	N/A	“000” (fixed value)
Matching Reference Number	String	16	First 8 characters – N/A. Last 8 characters - Tag 5935 – MatchingRefNo	Unique trade reference number for a matched trade (with the two halves that make up the trade having this same number). This is assigned when the trade halves are matched. It is made up of two parts: Business date in YYYYMMDD format (8 characters). nnnnnnnn = Matching sequence number for the day padded with leading zeros as needed (8 characters).
SlipID	String	8	Tag 5442 – SlipID.	Slip ID – this is an identifier for a matched trade half.

A Trade UTI under the Existing EMIR format is 34 characters long.

An example Trade UTI under the Existing EMIR format:

“E01LMEC0002024091800045678000012345”

Trade UTI – EMIR Refit format

Element	Format	Characters	LMEsmart Fix Tag	Comment
LME Clear LEI	String	20	N/A	“213800L8AQD59D3JRW81” (fixed value)
Matching Reference Number	String	16	First 8 characters – N/A. Last 8 characters - Tag 5935 – MatchingRefNo.	Unique trade reference number for a matched trade (with the two halves that make up the trade having this same number). This is assigned when the trade halves are matched. It is made up of two parts: Business date in YYYYMMDD format (8 characters). nnnnnnnn = Matching sequence number for the day padded with leading zeros as needed (8 characters).
SlipID	String	8	Tag 5442 – SlipID.	Slip ID – this is an identifier for a matched trade half.
Member Mnemonic	String	3	Tag 448 – PartyID where Tag 452 in same block = 1. (This value can be hardcoded as your firm’s three letter Member mnemonic).	Member mnemonic. Example = “ABC”

A Trade UTI under the EMIR Refit format is 47 characters long.

An example Trade UTI under the EMIR Refit format:

“213800L8AQD59D3JRW8120240918000123450005 6789ABC”