

IFF SPECIFICATIONS

Interest Fee invoice File (IFF)

Cboe Clear Europe N.V.

Version 1.02 per 20250801

Final version

Document history

Version:	Date:	Chapter / Field:	Information:
1.0	16-12-2009	Introduction	Information concerning Interest Fee Invoice File
1.02	01-08-2025	Fee Amount adjust number of decimals	Number of decimals changed from 2 to 5 decimals

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Introduction

1. Purpose

The IFF (Interest Fee Invoice File) is meant for Clearing Participants connected to the Cboe Clear services. The file contains detailed information concerning the Interest Fees and Costs as reported on the monthly Interest Fee Invoice.

2. Format

The data in the Interest Fee Invoice File is delivered in ASCII in the following formats:

- Alphanumeric, meaning all letters and figures are possible. The field is left outlined and if (partly) empty, the field is filled with spaces.
- Numeric; meaning only figures are possible. The field is right outlined and if (partly) empty, the field is filled with zeros.
- Date; meaning only a fixed figure field is possible in the format CCYYMMDD (e.g. 20091223)

3. Setup

The data is accumulated within one file and created on client level, resulting in one file per client number.

Each file contains one Header, at least one Fee detail record and one Trailer record.

The different Fees / Costs are identified by the record type field.

4. Availability

The IFF file is available per secure e-mail or ftp (on request) at around 21.00h CET. As the file is created as part of our monthly invoicing procedure we cannot state the exact date on which it will be created.

5. Naming conventions

The data is always packed in a zip-file and is called: <client number>-IFF-MO.zip
E.g. 1234-IFF-MO.zip

If you receive this file with encryption the filename will be:

<clientnumber>-IFF-MO.asc

The IFF Cboe Clear file itself is called:

<transaction date>----<client number>-----CL-IFF

e.g. 20091223----1234-----CL-IFF

6. Further information

All questions concerning the layout can be directed to:

Cboe Clear Platform Operations

Mail to: platform.operations.cboeclearEU@cboe.com

FEE TYPES

Each fee or cost is identified by a Fee Type. See below for the list of available fee types.

COD Interest on cash Collateral account for Derivatives (COLD)

The daily calculated interest of overnight cash positions on the Collateral account for Derivatives resulting in a negative or positive amount (foreign currencies are converted into EUR).

COL Interest on cash Collateral account (COLL)

The daily calculated interest of overnight cash positions on the Collateral account for Derivatives resulting in a negative or positive amount (foreign currencies are converted into EUR).

COM Interest on cash Collateral account for Equities (COLM)

The daily calculated interest of overnight cash positions on the Collateral account for Equities resulting in a negative or positive amount (foreign currencies are converted into EUR).

IOC Interest on cash for Interoperability Fund (held with Cboe Clear)

The daily calculated interest of overnight cash positions on the Interoperability Fund held with Cboe Clear resulting in a negative or positive amount (foreign currencies are converted into EUR).

IOI Interest on cash for Interoperability Fund (held with Clearstream)

The daily calculated interest of overnight cash positions on the Interoperability Fund held with Clearstream Banking Luxembourg) resulting in a negative or positive amount (foreign currencies are converted into EUR).

IST Interest on cash Clearing fund account (CLF)

Where the calculated interest on the Clearing fund account results in a negative amount the amount will be part of the invoice.

SEA Interest on cash for Settlement Exposure Add-on

The daily calculated interest of overnight cash positions on the Settlement Exposure Add-on account, resulting in a negative or positive amount (foreign currencies are converted into EUR).

SPR Interest on cash for Settlement Prefunding Requirement

The daily calculated interest of overnight cash positions on the Settlement Prefunding Requirement account, resulting in a negative or positive amount (foreign currencies are converted into EUR).

Header Record

The 'header' record will always be the first record in the file.

Header Record					
Tag Nbr	Field name	Length	Description	Field Pos.	Mandatory filled
1	Record Code	3	Filled with '100'	1-3	Y
2	Cboe Clear Clearing site code	6		4-9	Y
3	Cboe Clear name	40		10-49	Y
4	Release Code	3	Filled with '001'	50-52	Y
5	Month charged	6	(in format CCYYMM)	53-58	Y
6	Time stamp	15	(in format CCYYMMDD-HHMMSS)	59-73	Y
7	Client Number	10		74-83	Y
8	Invoice number	20		84-103	Y
	Filler	408		104-511	
100	End of Line Mark	1	Filled with '#'	512-512	Y
	Total Length	512			

Fee Detail Record

The table below indicates which fields are always filled, optionally filled or never filled.

Fee Detail Record				Y = Mandatory filled O = Optionally filled - = Never filled														
Tag nbr	Field name	Length	Description	Field pos.	IST	COD	COL	COM	IOI	IOC	SPR	SEA						
1	Record Code	3	Filled with '200'	1-3	Y	Y	Y	Y	Y	Y	Y	Y						
7	Client Number	10		4-13	Y	Y	Y	Y	Y	Y	Y	Y						
9	Processing Date	8	(in format CCYYMMDD)	14-21	Y	Y	Y	Y	Y	Y	Y	Y						
10	Account Type	5		22-26	Y	Y	Y	Y	Y	Y	Y	Y						
11	Account Number	10		27-36	Y	Y	Y	Y	Y	Y	Y	Y						
12	Fee Type	3		37-39	Y	Y	Y	Y	Y	Y	Y	Y						
13	Transaction Type Code	3		40-42	-	-	-	-	-	-	-	-						
14	Safe Keeping ID	2		43-44	-	-	-	-	-	-	-	-						
15	Exchange Code Trade	4		45-48	-	-	-	-	-	-	-	-						
16	Currency Code	3		49-51	Y	Y	Y	Y	Y	Y	Y	Y						
17	Opposite Party Code	6		52-57	-	-	-	-	-	-	-	-						
18	Product Group Code	2		58-59	-	-	-	-	-	-	-	-						
19	Transaction Date	8	(in format CCYYMMDD)	60-67	-	-	-	-	-	-	-	-						
20	Order Number	10		68-77	-	-	-	-	-	-	-	-						
21	Total quantity	12		78-89	-	-	-	-	-	-	-	-						
22	Total effective value	18	(including 2 decimals)	90-107	-	-	-	-	-	-	-	-						
23	Settlement Date	8	(in format CCYYMMDD)	108-115	-	-	-	-	-	-	-	-						
24	Buy Sell code	1		116-116	-	-	-	-	-	-	-	-						
25	Isin code	12		117-128	-	-	-	-	-	-	-	-						

Fee Detail Record				Y = Mandatory filled O = Optionally filled - = Never filled														
Tag nbr	Field name	Length	Description	Field pos.	IST	COD	COL	COM	IOI	IOC	SPR	SEA						
26	Settlement amount	18	(including 2 decimals)	129-146	-	-	-	-	-	-	-	-						
27	Settlement amount dc	1		147-147	-	-	-	-	-	-	-	-						
28	Settlement Instruction Reference	9		148-156	-	-	-	-	-	-	-	-						
29	Reason code	4		157-160	O	O	O	O	O	O	O	O						
30	Units	10		161-170	Y	Y	Y	Y	Y	Y	Y	Y						
31	Fee amount booked	18	(including 5 decimals)	171-188	Y	Y	Y	Y	Y	Y	Y	Y						
27	Fee amount booked d/c	1		189-189	Y	Y	Y	Y	Y	Y	Y	Y						
32	Fee currency code	3		190-192	Y	Y	Y	Y	Y	Y	Y	Y						
33	Fee amount booked in EUR	18	(including 5 decimals)	193-210	Y	Y	Y	Y	Y	Y	Y	Y						
34	VAT amount	18	(including 2 decimals)	211-228	O	O	O	O	O	O	O	O						
27	VAT amount DC	1		229-229	O	O	O	O	O	O	O	O						
35	VAT amount in EUR	18	(including 2 decimals)	230-247	O	O	O	O	O	O	O	O						
36	Fee currency conversion rate	15	(including 7 decimals)	248-262	Y	Y	Y	Y	Y	Y	Y	Y						
37	Fee text	40		263-302	O	O	O	O	O	O	O	O						
38	Clearing participant BIC code	10		303-312	-	-	-	-	-	-	-	-						
39	Trading Participant BIC code	15		313-327	-	-	-	-	-	-	-	-						
	Filler	184		328-511	-	-	-	-	-	-	-	-						
100	End of Line Mark	1	Filled with '#'	512-512	Y	Y	Y	Y	Y	Y	Y	Y						
	Total Length	512																

Trailer record

The 'trailer' record is a check record containing one line, which is always present.

Trailer Record					
Tag Nbr	Field name	Length	Description	Field Pos.	Y = Mandatory filled O = Optionally filled - = Never filled
1	Record Code	3	Filled with '900'	1-3	Y
40	Cboe Clear BIC code	10		4-13	Y
9	Processing Date	8	(in format CCYYMMDD)	14-21	Y
41	Total Number of Records	8		22-29	Y
	Filler	482		30-511	
100	End of Line Mark	1	Filled with '#'	512-512	Y
	Total Length	512			

Field numbers, names and descriptions

1. Record code

Format: numeric

Code used to identify the record type

2. Clearing site code

Format: alphanumeric.

Code issued by Cboe Clear representing the processing Cboe Clear entity.

Possible value: "MCF"

3. Cboe Clear name

Format: alphanumeric.

4. Release code

Format: numeric.

Code representing the IFF version

5. Month charged

Format: CCYYMM

Identifies the month the invoice amounts relate to.

6. Time stamp

Format: CCYYMMDD-HHMMSS

Identifies the time of file creation.

7. Client number

Format: numeric.

A unique code that identifies the Client.

For the Clearing Participant that receives two IFF files, one for each Client number, the MRF records will be reported in one file only.

8. Invoice number

Format: alphanumeric

Identifies the Invoice the Fee Detail records relate to.

9. Processing date

Format: CCYYMMDD

Concerns the date on which the Fee amount booked has been calculated.

10. Account type

Format: alphanumeric

Code that indicates for instance if the client's business is "segregated" (code: CLNT=CLIENT) or "Non-segregated" (code: HSE=HOUSE).

11. Account number

Format: numeric.

The unique code that identifies the account for which the fee has been calculated.

12. Fee type

Format: alphanumeric

A unique code that identifies the fee amount to be booked.

For possible values see the Introduction.

When necessary Cboe Clear may add new fee types.

These new fee types may concern manually entered fee bookings by the Cboe Clear back-office. They may be added without prior notice to the clients, the IFF record layout will not change as a result of these new fee types.

13. Transaction type

Format: alphanumeric

A code indicating the type of transaction.

The transaction type is mandatory filled in case the Clearing fee is trade-based and it does not concern a manual correction¹.

The transaction type is <empty> in case Clearing fee is order-based or it concerns a manual correction.

The transaction type is filled in case Settlement fee and it does not concern a manual correction.

Possible values:

STD	Standard (default)
IMT	Inter-l matched trade
PRE	Settlement fee in case of strange net settlement
TRD	Trade
NAV	NAV Trade

14. Safe keeping id

Format: alphanumeric

Code that indicates the place where the securities are kept. Samples

AT	Austria
BE	Belgium
CH	Switzerland
DE	Germany
DK	Danmark
ES	Spain
FI	Finland
FR	France
GB	Great Britain
IE	Ireland
IT	Italy
NL	The Netherlands
NO	Norway
PT	Portugal
SE	Sweden

¹ See field FEE TEXT

15. Exchange code trade

Format: alphanumeric

A code which specifies the market where the original trade was executed. This code reflects the official Market Identification Code ("MIC") as issued by SWIFT (ISO 15022).

Examples:

MIC CHIX Europe Ltd.	; CHIX
MIC BATS Trading Limited	; BATE
MIC CEUX CBOE EUROPE EQUITIES	; CEUX
MIC NASDAQ OMX Stockholm	; XSTO
MIC NASDAQ OMX Helsinki	; XHEL
MIC NASDAQ OMX Copenhagen	; XCSE
MIC FIRST NORTH NORWAY	; FNSE
MIC TURQUOISE	; TRQX

Please note that the Euronext platforms are reported as a group with code ENXT

16. Currency code

Format: alphanumeric.

A unique code identifying the currency of the product concerned.

Examples:

EUR	Euro
GBP	British Pound
USD	US Dollar
SEK	Swedish Crown
CHF	Swiss Franc

17. Opposite party code

Format: alphanumeric.

The identification of the external party concerned.

18. Product group code

Format: alpha numeric

A code what specifies the product group.

Examples:

ST	Stock
BO	Bond
RI	Right

19. Transaction date

Format: date.

Date on which the transaction was executed.

20. Order number

Format: alphanumeric

The number, issued by the MTF platform, related to the order initiated by the trading participant.

Will only be filled in case the Fee is order-based.

In case of a MRF record (Monthly Recap Fee) or a FRB (Family Rebate Fee) and the fee concerns Order fee this field will be filled with the text 'ALL ORDERS'.

21. Total quantity

Format: numeric

The total number of shares traded on the market specified.

Total quantity may be zero.

22. Total effective value

Format: numeric

The total effective value resulting from the executions performed on the market specified.

Total effective value may be zero.

23. Settlement date

Format: date.

The Intended Settlement date of the Settlement Instruction reported.

24. Buy/Sell code

Format: alphanumeric.

One character specifying whether the Settlement Instruction reported was a buy or a sell.

Possible values:

B	Buy
S	Sell

25. ISIN code

Format: alphanumeric

The international standardized code identifying the product of the Settlement Instruction reported.

26. Settlement amount

Format: numeric

The settlement amount of the Settlement Instruction reported.

27. DC

Format: alphanumeric.

Possible values:

D	Debit
C	Credit

28. Settlement Instruction reference

Format: numeric

Code, issued by Cboe Clear , to identify the settlement instruction.

29. Reason code

Format: alphanumeric.

In case of Fail management fee the code from Swift (MT 548 tag 25D) representing the status of the failed settlement.

Examples MT548:

CLACK
CMIS
DMON
REJT

In other cases may be filled with 'NARR' specifying that the fee text will include the reason of the booking.

30. Units

Format: numeric

The number of units used to calculate the Fee amount booked.

For Clearing Fee this field specifies the number of executions cleared.

For Settlement Fee this field specifies the number of Settlement Instructions (partial/fully) settled.

For Fail Management Fee types this field specifies the number of fails.

For Reimbursement Fee this field specifies the number of reimbursements.

For Monthly Recap Fee (MRF) and Family Rebate FEE (FRB) this field specifies the number of units which formed the basis of the calculated Clearing fee. This is number of executions in case of STD / IMT fee or the number of orders in case of order fee.

For OFF/OFM/OFA this field specifies the number of trades where Off Order book surcharge fee is calculated.

For RCF this field specifies the average number of daily trades where the cap is applied. As an example if the average number of daily trades is 1.002.000 the fee amount is reimbursed on $(1.002.000 - / - 1.000.000) \times \text{clearing fee} (0.001) = \text{€}2$

31. Fee amount booked

Format: numeric.

The fee amount booked. The Fee amount booked is reported with 5 decimals should be divided by 10000.

Sample

Fee Type	Fee Tariff	FIF Fee Amount value	FIF Fee Amount value divided by 100000
CLE-ST	0.0005	0000000000000000050	0.00050
CLE-RI	0.1	000000000000010000	0.10000
PCD	0.00825	00000000000000825	0.00825
SET-BE	1.45	00000000000145000	1.45000
BIE	150	000000000015000000	150.00000
MRF-MK1-BAND1	0.06	00000000000006000	0.06000
MRF-MK1-BAND2	0.05	00000000000005000	0.05000
MRF-MK1-BAND3	0.03	00000000000003000	0.03000
MRF-MK1-BAND4	0.0225	00000000000002250	0.02250
MRF-MK1-BAND5	0.0075	00000000000000750	0.00750
MRF-MK1-BAND6	0.005	00000000000000500	0.00500
MRF-MK1-BAND7	0.0045	00000000000000450	0.00450
MRF-MK1-BAND8	0.0035	00000000000000350	0.00350

32. Fee currency code

Format: alphanumeric.

A unique code identifying the currency of the fee amount booked

33. Fee amount booked in EUR

Format: numeric.

The fee amount booked converted to EUR.

The Fee amount booked booking in EUR is reported with 5 decimals should be divided by 10000.

34. VAT amount booked

Format: numeric.

The VAT amount booked.

35. VAT amount booked in EUR

Format: numeric.

The VAT amount booked converted to EUR.

36. Fee currency conversion rate

Format: numeric.

The conversion rate of a currency to Eur.

37. Fee text

Format: alphanumeric.

A free format text field containing a description of manually entered Fee detail records. A manually entered fee type record may concern a correction.

38. External Member

Format: alphanumeric.

The Cboe Clear member code of the Clearing participant.

39. Trading Participant BIC code

Format: alphanumeric.

The BIC code of the Trading Participant concatenated with the first position of TAG1 (account).

Only in case the execution concerns an Irish fund and the Trading Participant has executed the trade as an Agent the field will be filled with the concatenation of the BIC of the Trading Participant as allocated by the MTF platform followed by the letter 'A'.

40. Cboe Clear BIC code

Format: alphanumeric

Will always be filled with 'EMCFNL2A'.

41. Total number of records

Format: numeric.

The total number of records, including the header and trailer record.

100. End of line mark

Format: alphanumeric

Will always be filled with '#'.