

XML Client Invoices and Justificatory Reports

Detailed Description

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Document History

Date	Version	Author	Summary of Changes
11/03/2020	1	Billing services	

1 Introduction

The goal of this document is to provide a description of the structure and contents of the XML files that are provided to LCH SA clients in the context of the dematerialization of invoices and justificatory documents (also called “evidences” in this document).

In particular, this information can be used for reconciliation purpose between invoices and their associated evidences.

To assist clients in setting up reconciliation between invoices and justificatory reports, an additional document named “demat_

2 Context and overview

2.1 Scope

The files described in this document include:

- XML Structured Invoice File
- All existing evidences aimed at justifying invoices amounts in XML structured format

The table in the next page lists all of these evidences. Evidences have been regrouped by “Evidence Type” (4th column in the table), each of which corresponds to a different XML structure as detailed in sections 4, 5 and 6.

reconciliation_guide” is also available. It should helpfully supplement the present document

Invoice Activity	Evidence Title	Evidence XML file name	Evidence Type	ZIP file name
CASH	CNACL007	Member Code_Invoicing Period_CASH_EVIDENCECL.xml	1	Member Code_Invoicing Period_CASH_EVIDENCE.zip
CASHSERV	CASH - Justification Fails	Member Code_Invoicing Period_CASHSERV_EVIDENCEFAILS.xml	1	Member Code_Invoicing Period_CASHSERV_EVIDENCE.zip
	Cash Fail	Member Code_Invoicing Period_CASHSERV_EVIDENCESERV.xml	3	
	Delivery	Member Code_Invoicing Period_CASHSERV_EVIDENCESETL.xml	1	
CDS	CDS CNMXCLR001	Member Code_Invoicing Period_CDS_EVIDENCECL.xml	1	Member Code_Invoicing Period_CDS_EVIDENCE.zip
	CDS CE	Member Code_Invoicing Period_CDS_EVIDENCESERV.xml	3	
Derivatives	CNMXCLR_MATIF_MONTH_all	Member Code_Invoicing Period_DRV_EVIDENCEMATIFCL.xml	1	Member Code_Invoicing Period_DRV_EVIDENCE.zip
	DRV Compens Tardive	Member Code_Invoicing Period_DRV_EVIDENCEMATIFLATE.xml	1	
	CNMXCLR_MONEP_MONTH_all	Member Code_Invoicing Period_DRV_EVIDENCEMONEPSERV.xml	1	
Repoclear	CASH	Member Code_Invoicing Period_FI_EVIDENCECASHCL.xml	2	Member Code_Invoicing Period_FI_EVIDENCE.zip
	FI Fails	Member Code_Invoicing Period_FI_EVIDENCEFAILS.xml	3	
	Delivery	Member Code_Invoicing Period_FI_EVIDENCENET.xml	2	
	REPO	Member Code_Invoicing Period_FI_EVIDENCEREPOCL.xml	2	
PERIODIC	PER	Member Code_Invoicing Period_PERIODIC_EVIDENCE.xml	3	Member Code_Invoicing Period_PERIODIC_EVIDENCE.zip
TECHNICAL	TECH	Member Code_Invoicing Period_TECHNICAL_EVIDENCE.xml	3	Member Code_Invoicing Period_TECHNICAL_EVIDENCE.zip

2.2 Access means and schedule

XML invoices and evidences are available:

- On the invoice portal for manual download
- On the secure sFTP server for automated pull

For further details, please refer to the service description.

3 XML Structured Invoice

An XML file is available for each individual client invoice. Every month, for a given client code and for a given activity, one invoice is issued. The invoice global amount breaks down into several individual sub-amounts for each of the product covered by the invoice. The structure of the XML file reflects this principle. The following is an example of such an XML invoice file. Comments are in provided in italics where necessary.

```
<?xml version="1.0" encoding="UTF-8"?>
<Document xmlns="Arcole xml file of invoices">
  <InvoicesData>
    <Client>
      <ClientInformation>
```

<CodeClient>C004650</CodeClient> A same client legal entity may have several client codes. One invoice is always issued for one single client code

```
    <HeadquartersClientName>BANK XYZ</HeadquartersClientName>
    <HeadquartersAddress1>-</HeadquartersAddress1>
    <HeadquartersAddress2></HeadquartersAddress2>
    <HeadquartersAddress3>PIAZZA GRANDE</HeadquartersAddress3>
    <HeadquartersPostalCode>20121</HeadquartersPostalCode>
    <HeadquartersTown>MILAN</HeadquartersTown>
    <HeadquartersCountry>ITALIE</HeadquartersCountry>
    <HeadquartersCEECode>IT52644820</HeadquartersCEECode>
    <HeadquartersSIREN>315648897</HeadquartersSIREN>
```

```
    <Postalclientname> BANK XYZ.</Postalclientname>
    <PostalRecipient></PostalRecipient>
    <PostalAddress1>LONDON BRANCH/ACCOUNT DEPARTMENT</PostalAddress1>
    <PostalAddress2></PostalAddress2>
    <PostalAddress3>90 CANON STREET</PostalAddress3>
    <PostalPostalCode>EC4N</PostalPostalCode>
    <PostalTown>1SA LONDON</PostalTown>
    <PostalCountry>GB</PostalCountry>
```

```
  </ClientInformation>
```

```
  <ComInvoices>
```

```
    <NumModellInvoices>30</NumModellInvoices>
```

```
    <InvoicesNumber>FV31-2001-00010</InvoicesNumber>
```

<InvoicesActivity>DRV</InvoicesActivity> Corresponds to the activity covered by the invoice. One activity only per invoice. Possible values are: "CASH", "CASHSERV", "CDS", "DRV", "DRVRECAP", "FI", "PERIODIC", "TECHNICAL", "TREASURY".

```
    <InvoicesIssuedNbr></InvoicesIssuedNbr>
```

```
    <InvoicesIssuedDate></InvoicesIssuedDate>
```

```
    <DocType>FACTURE</DocType>
```

```
    <InvoicesDate>2020-01-31</InvoicesDate>
```

```
    <LCHCEE>FR65692032485</LCHCEE>
```

```
    <LCHContact>Service Facturation</LCHContact>
```

```
      <LCHPhone>+33 (0)1.70.37.66.79</LCHPhone>
```

```
      <LCHEmail>Billing_services@lch.com</LCHEmail>
```

```

<Address1Mod3233></Address1Mod3233>
<Address2Mod3233></Address2Mod3233>
<Address3Mod3233></Address3Mod3233>
<Address4Mod3233></Address4Mod3233>
<Address5Mod3233></Address5Mod3233>
<Address6Mod3233></Address6Mod3233>
<Address7Mod3233></Address7Mod3233>
<Footer>
  <Footer1>LCH SA</Footer1>
  <Footer2>18, rue du Quatre Septembre
75002 Paris</Footer2>
  <Footer3> tl. +33
(0)1 70 37 65 00 </Footer3>
  <Footer4> fax. +33
(0)1 70 37 65 01</Footer4>
  <Footer5> Banque
Centrale de Compensation </Footer5>
  <Footer6> Societe Anonyme au capital de 113 066 860,26 euros</Footer6>
  <Footer7> Siege social : </Footer7>
  <Footer8> 18, rue du Quatre Septembre 75002 Paris - </Footer8>
  <Footer9> 692 032 485 RCS Paris</Footer9>
  <FooterTown> Paris</FooterTown>
  <FooterCountry> France</FooterCountry>
  <FooterCapital> 113066860,26</FooterCapital>
</Footer>

```

Fixed Data

```

</ComInvoices>
<Invoices>
  <GlobalInvoices>
    <VATData>
      <VATCode> C000</VATCode>
      <VATRate> 0%</VATRate>
      <HTAmount> 27.48</HTAmount>
      <VATAmount> 0.00</VATAmount>
      <TotHTAmount> 27.48</TotHTAmount>
      <TotVATAmount> 0.00</TotVATAmount>
      <VATLabel1> LCH SA was authorised to pay VAT on

```

Debits</VATLabel1>

```

  <VATLabel2> Exempt from VAT, Article 44 and 196 of Directive
2006/112,
  VAT paid by the</VATLabel2>
  <VATLabel3> recipient</VATLabel3>

```

Depends on the tax situation of the client

```

</VATData>
<Amount>
  <TotalHT> 27.48</TotalHT>
  <TotalVAT> 0.00</TotalVAT>
  <TotalTTC> 27.48</TotalTTC>
  <Currency> EUR</Currency>
  <MR> AP</MR>
  <CR> APPEL DE FONDS / CASH CALL</CR> Payment method
  <Maturity> 2020-01-31</Maturity>
  <MaturityLabel1> Le retard de paiement donne lieu a la facturation
  </MaturityLabel1>
  <MaturityLabel2> d'interets a un taux egal a une fois et demie</MaturityLabel2>
  <MaturityLabel3> le taux d'interets legal fixe par</MaturityLabel3>
  <MaturityLabel4> la Banque Centrale Europeenne.</MaturityLabel4>
</Amount>

```

Fixed Data

```

    <BankData>
      <Address1></Address1>
      <Address2></Address2>
      <Address3></Address3>
      <Address4></Address4>
      <Address5></Address5>
      <Bank></Bank>
      <RIB></RIB>
      <BICCode></BICCode>
      <IBAN></IBAN>
    </BankData>
  </GlobalInvoices>
  <ProductDetails>
    <Product>
      <ProductCode>521032</ProductCode>
      <DateClearing>2020-01-31</DateClearing>
      <ProductLabel1>DRV Market Clearing Services -</ProductLabel1>
      <ProductLabel2> Transfer fee for restructuring -</ProductLabel2>
      <ProductLabel3> MONEP - Paris Future</ProductLabel3>
      <ProductLabel4>Corrections and Transfers</ProductLabel4>
      <ProductLabel5></ProductLabel5>
      <ProductLabel6>January 2020</ProductLabel6>
      <ProductLabel7>Correction Receiver - Market :</ProductLabel7>
      <ProductLabel8> PARIS MONEP</ProductLabel8>
      <UnitPrice>0.48</UnitPrice>
      <Quantity>1.00</Quantity>
      <PriceHT>0.48</PriceHT>
      <ProductVAT>C000</ProductVAT>
      <ProductVATAmount></ProductVATAmount>
      <ProductTTC></ProductTTC>
    </Product>
    <Product>
      <ProductCode>533012</ProductCode>
      <DateClearing>2020-01-31</DateClearing>
      <ProductLabel1>DRV Market -</ProductLabel1>
      <ProductLabel2> Exercise/Assignment fees -</ProductLabel2>
      <ProductLabel3> MONEP - Segment FR</ProductLabel3>
      <ProductLabel4>-</ProductLabel4>
      <ProductLabel5></ProductLabel5>
      <ProductLabel6>January 2020</ProductLabel6>
      <ProductLabel7></ProductLabel7>
      <ProductLabel8></ProductLabel8>
      <UnitPrice>27.00</UnitPrice>
      <Quantity>1.00</Quantity>
      <PriceHT>27.00</PriceHT>
      <ProductVAT>C000</ProductVAT>
      <ProductVATAmount></ProductVATAmount>
      <ProductTTC></ProductTTC>
    </Product>
  </ProductDetails>
</Invoices>
</Client>
</InvoicesData>
</Document>

```


4 Evidences Type 1

. There are 11 evidences of type 1. All evidences of type 1 share the same XML structure as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<Document>
```

```
  <MsgId>Activity-Member code-creation date YYYYMMDDH24:MI:SS</MsgId>
```

```
  <Information> -- Fixed data
```

This document is just details linked to LCHC SA invoices and has no information regarding VAT information

```
  </Information>
```

```
  <Justification>
```

```
    <CmfCode>Member code of the csv file</CmfCode>
```

```
    <CmfName>Member name of the csv file</CmfName>
```

```
    <InvoicePeriod>MMYYYY</InvoicePeriod>
```

```
    <JustificationDetails> -- block repeatable for each line of the csv file
```

```
      ...
```

```
    </JustificationDetails>
```

```
  </Justification>
```

```
</Document>
```

This structure is fixed except the <JustificationDetails> block which contains tags that depend on each of the individual evidence file as detailed below:

CDS CNMXCLR001

CMF CODE; CMF NAME; INVOICING CURRENCY; TMF CODE; TMF NAME; MARKET; BUSINESS DATE;
PRODUCT LABEL; TRANSACTION TYPE; ORIGIN; PRODUCT FAMILY; TRADING CURRENCY; POSITION
ACCOUNT; QUANTITY; VALUATION; FEES WITHOUT VAT

CNCACLR007

CMF CODE; CMF NAME; INVOICING CURRENCY; TMF CODE; TMF NAME; MARKET CODE; BUSINESS DATE;
PRODUCT LABEL; TRANSACTION TYPE; ORIGIN; BRACKET; INVOICING TRANSACTION NUMBER;
OPERATION VALUATION; EUR VALUATION; TRANSACTION CURRENCY; DAILY CURRENCY RATE; FEES
WITHOUT VAT

CNMXCLR_MATIF_MONTH all

CMF CODE; CMF NAME; INVOICING CURRENCY; TMF CODE; TMF NAME; MARKET CODE; BUSINESS
DATE; PRODUCT LABEL; TRANSACTION TYPE; ORIGIN; POSITION ACCOUNT; TYPE COR; DIST FEE;
PRODUCT FAMILY; TRADING CURRENCY; INVOICING TRANSACTION NUMBER; QUANTITY; FEES
WITHOUT VAT

CNMXCLR_MONEP_MONTH all

CMF CODE; CMF NAME; INVOICING CURRENCY; TMF CODE; TMF NAME; MARKET CODE; BUSINESS
DATE; PRODUCT LABEL; TRANSACTION TYPE; ORIGIN; POSITION ACCOUNT; TYPE COR; DIST FEE;
PRODUCT FAMILY; TRADING CURRENCY; INVOICING TRANSACTION NUMBER; QUANTITY; FEES
WITHOUT VAT

Delivery

CMF CODE; CMF NAME; INVOICING CURRENCY; BUSINESS DATE; BAREME; SETTLEMENT SEGMENT;
SETTLEMENT PLATFORM; DA; QUANTITY; CLEARING CURRENCY

CASH - justification Fails

CMF CODE; CMF NAME; INVOICING CURRENCY; BUSINESS DATE; BAREME; SETTLEMENT SEGMENT;
DELIVERY ACCOUNT; ISIN CODE; QUANTITY; CLEARING VALUATION; CLEARING CURRENCY; DAILY
CURRENCY; EUR VALUATION; FIXE FEES; VARIABLE FEES

DRV Compens tardive

CMF CODE; CMF NAME; INVOICING CURRENCY; BUSINESS DATE; PRODUCT LABEL; PRODUCT FAMILY;
EXPIRATION DATE; STRIKE; SENS; POSITION ACCOUNT; OPEN BUY POSITION; OPEN SELL POSITION;
FUT. BUY POS. FROM EXERCISE; FUT. SELL POS. FROM EXERCISE; OFFSET; QUANTITY TO INVOICE;
LOTS TO 1 EURO; LOTS TO 2 EUROS; LOTS TO 3 EUROS; FEES WITHOUT VAT;

5 Evidences Type 2

There are 5 evidences of type 2. All evidences of type 2 share the same XML structure as follows:

<Document>

<Msgld>Activity-Member code-creation date YYYYMMDDH24:MI:SS</Msgld>

<Information> -- Fixed data

This document is just details linked to LCH SA invoices and has no information regarding VAT information

</Information>

<Standard>

<ClearingMember>Member code of the csv file</ClearingMember>

<InvoicePeriod>MMYYYY</InvoicePeriod>

<StandardDetails> -- block repeatable for each line of the csv file

...

</StandardDetails>

</Standard>

</Document>

This structure is fixed except the <StandardDetails> block which contains tags that depend on each of the individual evidence file as detailed below:

CASH

RefidentK+; Code ISIN; Libelle; Trade Date; Settlement Date; Face Amount; Cpty_shortname; Clearing Member; App Aff; Sens; Gross Amount; Type; Compartment; Reverse; Tarif; Base Tarif

NET

RefidentK+; Id debt; Clearing Member; Compartment; Code ISIN; Face Amount; Cash Amount; Settlement Date; Type; Tarif;Sens

REPO

RefidentK+; Code ISIN ; Libelle ; Trade Date ; Value Date ; Maturity Date ; Face Amount ; Cpty_shortname ; Clearing Member ; App Aff ; Sens ; Gross Amount ; Type ; Compartment; Substitution; Tarif; Base Tarif

6 Evidences Type 3

There are 7 evidences of type 3. All evidences of type 3 share the same XML structure as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<Document>
```

```
  <MsgId>Activity-Member code-creation date YYYYMMDDH24:MI:SS</MsgId>
```

```
  <Information> -- Fixed data
```

This document is just details linked to LCH SA invoices and has no information regarding VAT information

```
  </Information>
```

```
  <Invoice>
```

```
    <CmfCode>Member code of the file</CmfCode>
```

```
    <InvoicePeriod>MMYYYY</InvoicePeriod>
```

```
    <InvoiceDetails> -- block repeatable for each line of the csv file
```

```
      <Date>MM/DD/YYYY</Date>
```

```
      <ProductCode>Product code</ProductCode>
```

```
      <ProductCodeLabel>Label corresponding to the product code</ProductCodeLabel>
```

```
      <Comments>Comments</Comments>
```

```
      <Quantity>Quantity</Quantity>
```

```
      <Amount>Amount</Amount>
```

```
      <OperationCurrency>Currency code of the amount</OperationCurrency>
```

```
      <Fees>Fees</Fees>
```

```
      <FeesCurrency>Currency code of the fees</FeesCurrency>
```

```
    </InvoiceDetails>
```

```
  </Invoice>
```

```
</Document>
```

This structure is fixed and common to all files below:

- **CASH Fail, •**
- CDS CE, •**
- Fi-Fails, •**
- PER, • TECH**