



CME CLEARING ADVISORY NOTICE

11-366

To: Clearing Members Firms
Back Office Managers
Software Providers

From: CME Clearing

Subject: Final Reminder: Changes to Product Reference Files October 14, 2011

Date: October 12, 2011

This Advisory outlines upcoming changes to the FIXML Product Reference Files (FPRFs) scheduled for September and October of this year. Advisory 11-311 was originally published on August 31, 2011 and a reminder Advisory 11-316 was sent on September 8, 2011.

New FPRFs will be made available in new directories, using the same file names that are currently in use. Existing files will be available until September 21, 2011 for New Release, and October 14, 2011 for Production. This will allow for a parallel period, and let firms choose to cut over to the new files prior to the September or October cutoff dates. The following new directories will be created:

- At ftp.cmegroup.com, a pub/fprf directory has been created to hold all Production standard futures and options FPRFs. Currently, files with a prefix of "ora." reside within this directory. On Monday, September 12, 2011, the naming convention will be changed. The "ora." prefix will be removed. Note that you may test with the "ora." files now; the format of the files will not change; only the file name will change. These files may also be found in the Firms' PUB/FPRF directory.
- In the Firms' PUB/CMD directory, an FPRF directory has been created to hold all non-RED FPRF files. Both Production and New Release versions of the new FPRFs exist in this new directory with an "ora." prefix. **Beginning Monday, September 12th for New Release, and for Production**, the "ora." prefix will be dropped from the file names.
- In the Firms' PUB/CMD/RED directory, an FPRF directory has been created to hold all RED FPRF files. Both the new Production and New Release FPRF files exist in this directory, however only the Production version of the FPRFs contain the "ora." Prefix. As described above, on for Monday, September 12, 2011, the "ora." Prefix will be dropped from the Production FPRFs.

On Wednesday, September 21, 2011, the current New Release versions of the FPRFs, found in the Firms' PUB/CMD directory will no longer be available.

On Monday, October 17, 2011, the current Production versions of the FPRF files, found in the <ftp.cmegroup.com/pub/settle> Firms' PUB/CMD directory will no longer be available.

Below is a summary of the changes to the various files, followed by sample messages, with changes called out (note that strike-outs are things removed, highlighted are elements/attributes added to the messages).

Product Reference Files

Futures, Options, Combos, and Strategies Product Reference Files will be changed to harmonize their structure with other CME Group FIXML data files. This will be done by removing the <FIXML> and </FIXML> tags from each message, and using them only once in each file. Also, the <Batch> and </Batch> tags will be used, as in other CME Group data files.

For example, the current format for the Futures PRF looks like this:

```
<?xml version="1.0" encoding="UTF-8"?><FIXML><SecDef RptID="1" BizDt="2010-07-22"><Instrmt Sym="LE" ID="48"...</FIXML>
<FIXML><SecDef RptID="2" BizDt="2010-07-22"><Instrmt Sym="LE" ID="48"...</FIXML>
<FIXML><SecDef RptID="3" BizDt="2010-07-22"><Instrmt Sym="LE" ID="48"...</FIXML>
Etc.
```

The new format will look like this:

```
<?xml version="1.0" encoding="UTF-8"?><FIXML><Batch><SecDef RptID="1" BizDt="2010-07-22"><Instrmt Sym="LE" ID="48"...</SecDef>
<SecDef RptID="2" BizDt="2010-07-22"><Instrmt Sym="LE" ID="48"...</SecDef>
<SecDef RptID="3" BizDt="2010-07-22"><Instrmt Sym="LE" ID="48"...</SecDef>
Etc.
</Batch></FIXML>
```

CDS Product Reference files, including CDS PRFs that contain RED Codes, are already in the new format, and will remain unchanged in that respect.

Futures, Options, Combos, and Strategies files are affected across CME, CBT, NYMEX, COMEX, and DME exchanges.

In addition to changing the Product Reference files to be well-formed, other changes to the PRFs will be:

All Product Reference Files (Including CDS)

- The UOM (DerivSecList/DerivSecDef/DerivInstrmt@UOM) attribute enumerations will be changed to FIX-valid enumerations. Specifically, where previously the UOM was an ISO currency code, the attribute value will be changed to "Ccy" and a new attribute, "UOMCcy" will be added to the Instrument (Instrmt) Block and contain the ISO currency code.

- Similarly, the PxUOM will be changed to “Ccy” in the above case, and a new attribute, “PxUOMCcy” will be added to describe the Price Unit of Measure Currency.
- A new product classification type is being added to all Product Reference Files. This attribute is used for Regulatory purposes. CDS files already have the ProdClsfnGrp, but for all other groups, this will be a new repeating group. For CDS, a new value of “COTC” has been added, representing the new Sequestered class of products. A Reason Code (Rsn) of “8” means “Customer Regulatory Classification.”

Security Definition (SecDef) Messages

- The Security Definition Leg Group (SecDef/LegGrp/Leg) container will be removed.
- **Update:** The location of the Margin Data Group (SecDef/MarginDataGrp) will be changed. Please refer to the samples for the new location of the Margin Data Group.
- The Market Segment Group Securities Trading Rules Trading Session Rules Group block (SecDef/MktSegGrp/SecTrdgRules/<TrdgSesRulesGrp</TrdgSesRulesGrp>) will be removed from the Securities definition messages.

Derivative Security List (DerivSecList)

- Strike Rules will be removed from these messages.

For any questions related to these changes, please contact CCS at 312-205-2525, or ccs@cmegroup.com.

Security Definition Message (Product Reference File) Sample – CDS Single Name

This sample includes the following

1. Removal of the TrdgSessSub Element.
2. UOM Changes for Currencies (Change the UOM Code, add a new tag UOMCcy)
3. Add number of PAI Days used for calculating PAI
4. Added a PAI Identifier String
5. Added a Product Classification for Regulatory purposes

Line	Tag Example	Description
1	<code>?xml version="1.0" encoding="UTF-8"?></code>	
2	<code><SecDef RptID="81" BizDt="2010-09-23"></code>	
3	<code><Instrmt Sym="XRXR XU" ID="XRXR XU" Desc="XR.XR.XR.USD" SecTyp="CDS" Src="H" SubTyp="S" MMY="201009" MatDt="2020-06-22" Mult="0.01" Exch="CMD" UOM="Ccy" UOMCcy="USD" UOMQty="1" SecGrp="IG" PxUOM="IPNT" PxUOMQty="1" SettlMeth="C" PxQteMeth="PCTPR" ListMeth="0" ValMeth="CDS" ProdCmplx="CDS" Status="1" FlexProdElig="N" FlexInd="N" MinPxIncr="0.0000001" CpnRt="5.0" IntAcrl="2010-09-20" NotnlPctOut="100.0" Srty="SR" RstrctTyp="XR" Issr="XEROX CORPORATION" PxNegMeth="1" DayCntMeth="ACT/360" Tenor="0M"></code>	
4	<code><AID AltID="US984121BW26" AltIDSrc="105"/></code>	
5	<code><AID AltID="XRXR XU 201009 5" AltIDSrc="H"/></code>	
6	<code><AID AltID="XR.XR.XR.USD.10U.500" AltIDSrc="101"/></code>	
7	<code><AID AltID="XRXR XU 201009 5" AltIDSrc="100"/></code>	
8	<code><Evnt EventType="5" Dt="2008-09-19"/></code>	
9	<code><Evnt EventType="7" Dt="2020-06-19"/></code>	
10	<code><Evnt EventType="19" Dt="2010-10-05"/></code>	
11	<code><Evnt EventType="14" Dt="2010-03-24"/></code>	
12	<code><Evnt EventType="100" Dt="2010-09-24"/></code>	
13	<code><Evnt EventType="8" Dt="2010-09-24"/></code>	
14	<code><Evnt EventType="9" Dt="2010-09-20"/></code>	
15	<code><Evnt EventType="101" Dt="2010-06-21"/></code>	
16	<code><Evnt EventType="102" Dt="2008-09-20"/></code>	
17	<code><Evnt EventType="103" Dt="2008-09-22"/></code>	
18	<code><Evnt EventType="108" Dt="2010-03-23"/></code>	
19	<code><Evnt EventType="109" Dt="2010-03-24"/></code>	
20	<code><Evnt EventType="112" Dt="2010-09-20"/></code>	
21	<code><Evnt EventType="113" Dt="2010-06-20"/></code>	
22	<code></Instrmt></code>	
23	<code><InstrmtExt></code>	
24	<code><Attrb Typ="100" Val="4"/></code>	
25	<code><Attrb Typ="101" Val="0"/></code>	
26	<code><Attrb Typ="109" Val="0"/></code>	
27	<code><Attrb Typ="103" Val="0"/></code>	
28	<code><Attrb Typ="102" Val="0"/></code>	
29	<code><Attrb Typ="29" Val="Y"/></code>	
30	<code><Attrb Typ="24" Val="3"/></code>	
31	<code><Attrb Typ="24" Val="22"/></code>	
32		
33		
34	<code></InstrmtExt></code>	

35	<MktSegGrp MktID="CME" MktSegID="ALL">	
36	<SecTrdgRules>	
37	<BaseTrdgRules MinTrdVol="1000000">	
38	<TickRules StartTickPxRng="-0.0000001" EndTickPxRng="999999" TickIncr="0.001" TickRuleTyp="5"/>	
39	<TickRules StartTickPxRng="-0.0000001" EndTickPxRng="500" TickIncr="0.0000001" TickRuleTyp="0"/>	
40	<LotTypRules LotTyp="2" MinLotSz="100000"/>	
41	</BaseTrdgRules>	
42	<TrdgSesRulesGrp SesID="[N/A]"/>	Remove Component
43	</SecTrdgRules>	
44	</MktSegGrp>	
45	<ProdClsfnGrp>	
46	<ProdClsfn Rsn="2" Val="IG"/>	
47	<ProdClsfn Rsn="0" Val="IG"/>	
48	<ProdClsfn Rsn="7" Val="TECH"/>	
49	<ProdClsfn Rsn="8" Val="COTC"/>	Customer Regulatory Classification
50	</ProdClsfnGrp>	
51	</SecDef>	

Security Definition (Product Reference File) message Sample - Future

This sample includes the following

1. support a Batch Container (only one message shown here)
2. removing element MarginDataGrp
3. new attributes UOMCcy and PxUOMCcy for Currency Products
4. UOM and PxUOM will be set to Ccy for Currency Products
5. Removing element TrdgSesRulesGrp if no Session ID is present.

Line	Tag Example	Description
1	<?xml version="1.0" encoding="UTF-8"?>	
2	<FIXML>	
3	<Batch>	//Batch Container
4	<SecDef	
5	RptID="10"	
6	BizDt="2010-09-17">	
7	<Instrmt	
8	Sym="6C"	
9	ID="C1"	
10	Desc="CANADIAN DOLLAR FUTURES"	
11	SecTyp="FUT"	
12	Src="H"	
13	MMY="201012"	
14	MatDt="2010-12-14"	
15	Mult="100000"	
16	Exch="CME"	
17	UOM="Ccy"	Unit of Measure – Set to Ccy for Currency Products
18	UOMCcy="CAD"	Unit of Measure Currency
19	UOMQty="100000"	
20	PxUOM="Ccy"	Price Unit of Measure – Set to Ccy for Currency Products
21	PxUOMCcy="CAD"	Unit of Measure Currency
22	PxUOMQty="1"	
23	SettlMeth="P"	
24	ListMeth="0"	
25	ValMeth="FUT"	
26	ProdCmplx="CURR"	
27	Status="1"	
28	FlexProdElig="N"	
29	FlexInd="N"	
30	AsgnMeth="R"	
31	MinPxIncr="0.5"	
32	PxQteCcy="USD">	
33	<AID AltID="CD 201012" AltIDSrc="H"/>	
34	<AID AltID="014192" AltIDSrc="103"/>	
35	<AID AltID="6CZ0" AltIDSrc="101"/>	
36	<AID AltID="C1 201012" AltIDSrc="100"/>	
37	<Evnt EventType="5" Dt="2009-06-17"/>	
38	<Evnt EventType="7" Dt="2010-12-14"/>	
39	<Evnt EventType="17" Dt="2010-12-14"/>	

40	<Evnt EventType="18" Dt="2010-12-14"/>	
41	<Evnt EventType="13" Dt="2010-12-15"/>	
42	<Evnt EventType="14" Dt="2010-12-15"/>	
43	</Instrmt>	
44	<InstrmtExt>	
45	<Attrb Typ="23" Val="05"/>	
46	<Attrb Typ="27" Val="N"/>	
47	<Attrb Typ="25" Val="1"/>	
48	<Attrb Typ="26" Val="1"/>	
49	<Attrb Typ="29" Val="Y"/>	
50	<Attrb Typ="24" Val="1"/>	
51	<Attrb Typ="24" Val="2"/>	
52	<Attrb Typ="24" Val="11"/>	
53	<Attrb Typ="24" Val="3"/>	
54	<Attrb Typ="24" Val="0"/>	
55	</InstrmtExt>	
56	<MarginDataGrp>	Remove MarginDataGrp Component
57	<MarginData Typ="1" Rate="75"/>	
58	<MarginData Typ="0" Rate="1800"/>	
59	</MarginDataGrp>	
60	<MktSegGrp MktID="CME" MktSegID="ALL">	
61	<SecTrdgRules>	
62	<BaseTrdgRules>	
63	<TickRules StartTickPxRng="0.91125" EndTickPxRng="1.0229" TickIncr="0.00005" TickRuleTyp="0"/>	
64	</BaseTrdgRules>	
65	<TrdgSesRulesGrp SesID="[N/A]"/>	Remove component if no SesID present
66	</SecTrdgRules>	
67	</MktSegGrp> <MarginDataGrp> <MarginData Typ="1" Rate="75"/> <MarginData Typ="0" Rate="1800"/> </MarginDataGrp>	Add MarginDataGrp Here
68	</SecDef> </Batch> </FIXML>	

Derivative Sec Def Message Sample – Option Series

This sample includes the following

1. support a Batch Container
2. New attributes UOMCcy and PxUOMCcy for Currency Products Only!
3. UOM and PxUOM will be set to Ccy for Currency Products
4. Removing element TrdgSesRulesGrp if no Session ID is present.

Line	Tag Example	Description
1	<?xml version="1.0" encoding="UTF-8"?>	
2	<FIXML>	
3	<Batch>	Add Batch Container
4	<DerivSecList RptID="8" BizDt="2010-09-16">	
5	<Undly ID="C1" Src="H" MMY="201012" SecTyp="FUT" Exch="CME">	
6	<UndAID AltID="014192" AltIDSrc="103"/>	
7	<UndAID AltID="CD 201012" AltIDSrc="H"/>	
8	<UndAID AltID="C1 201012" AltIDSrc="100"/>	
9	<UndAID AltID="6CZ0" AltIDSrc="101"/>	
10	</Undly>	
11	<DerivSecDef>	
12	<DerivInstrmt Sym="6C" ID="C1" Desc="CANADIAN DOLLAR OPTIONS" SecTyp="OOF" Src="H" MMY="201010" MatDt="2010-10-08" Mult="100000" Exch="CME" UOM="Ccy" UOMCcy="CAD" UOMQty="100000" PxUOM="Ccy" PxUOMCcy="CAD" PxUOMQty="1" SettMeth="P" ExerStyle="1" ListMeth="2" ValMeth="EQTY" ProdCmplx="CURR" Status="1" FlexProdElig="N" AsgnMeth="R" MinPxIncr="1" PxQteCcy="USD">	
13	<Evnt EventTyp="5" Dt="2010-07-12"/>	
14	<Evnt EventTyp="7" Dt="2010-10-08"/>	
15	</DerivInstrmt>	
16	<Attrb Typ="23" Val="02"/>	
17	<Attrb Typ="27" Val="N"/>	
18	<Attrb Typ="25" Val="1"/>	
19	<Attrb Typ="26" Val="1"/>	
20	<Attrb Typ="29" Val="Y"/>	
21	<Attrb Typ="24" Val="1"/>	
22	<Attrb Typ="24" Val="12"/>	
23	<Attrb Typ="24" Val="3"/>	
24	<Attrb Typ="24" Val="0"/>	
25	<MktSegGrp MktID="CME" MktSegID="ALL">	
26	<SecTrdgRules>	
27	<BaseTrdgRules>	
28	<TickRules StartTickPxRng="0" EndTickPxRng="0.00005" TickIncr="0.00005" TickRuleTyp="2"/>	
29	<TickRules StartTickPxRng="0.0005" EndTickPxRng="1.5" TickIncr="0.0001" TickRuleTyp="0"/>	
30	<TickRules StartTickPxRng="0" EndTickPxRng="0.0005" TickIncr="0.00005">	

	TickRuleTyp="0"/>	
31	</BaseTrdgRules>	
32	<TrdgSesRulesGrp SesID="[N/A]"/>	Remove element
33	</SecTrdgRules>	
34	<StrkRules StartStrkPxRng="0.005" EndStrkPxRng="999999" StrkIncr="0.005"/>	
35	</MktSegGrp>	
36	</DerivSecDef>	
37	<RelSym>	
38	<Instrmt Desc="CD OPT 201010" StrkPx="1.085" PutCall="0" FlexInd="N" PxDelta="0.99717">	
39	<AID AltID="CD 201010 P 1.085 201012" AltIDSrc="H"/>	
40	<AID AltID="079280" AltIDSrc="103"/>	
41	<AID AltID="6CV0 P1085" AltIDSrc="101"/>	
42	<AID AltID="C1 201010 P 0001085 201012" AltIDSrc="100"/>	
43	</Instrmt>	
44	</RelSym>	
45	<RelSym>	
46	<Instrmt Desc="CD OPT 201010" StrkPx="1.085" PutCall="1" FlexInd="N" PxDelta="0.00283">	
47	<AID AltID="C1 201010 C 0001085 201012" AltIDSrc="100"/>	
48	<AID AltID="6CV0 C1085" AltIDSrc="101"/>	
49	<AID AltID="434809" AltIDSrc="103"/>	
50	<AID AltID="CD 201010 C 1.085 201012" AltIDSrc="H"/>	
51	</Instrmt>	
52	</RelSym>	
53	<RelSym>	
54	<Instrmt Desc="CD OPT 201010" StrkPx="1.08" PutCall="0" FlexInd="N" PxDelta="-0.99706">	
55	<AID AltID="CD 201010 P 1.08 201012" AltIDSrc="H"/>	
56	<AID AltID="090829" AltIDSrc="103"/>	
57	<AID AltID="6CV0 P1080" AltIDSrc="101"/>	
58	<AID AltID="C1 201010 P 0001080 201012" AltIDSrc="100"/>	
59	</Instrmt>	
60	</RelSym>	
61	<RelSym>	
62	<Instrmt Desc="CD OPT 201010" StrkPx="1.08" PutCall="1" FlexInd="N" PxDelta="0.00294">	
63	<AID AltID="C1 201010 C 0001080 201012" AltIDSrc="100"/>	
64	<AID AltID="6CV0 C1080" AltIDSrc="101"/>	
65	<AID AltID="464805" AltIDSrc="103"/>	
66	<AID AltID="CD 201010 C 1.08 201012" AltIDSrc="H"/>	
67	</Instrmt>	
68	</RelSym>	
69		
70		
71	</DerivSecList>	
72	<DerivSecList>	
73		
74	</DerivSecList>	
75	</Batch>	
76	</FIXML>	

