



Energy Markets Proposal

Draft
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FpML Standards Committee

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Revisions

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1.0	9/4/02	FPML Standards Committee	Bruce Tupper (IntercontinentalExchange)	Initial proposal document



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1 Status of Document

This document is a proposal for the integration of IntercontinentalExchange's eConfirm XML Schema into the FpML Standard.

2 Other Documentation

Energy Markets Data Dictionary
Energy Markets Working Group – Charter
Content model Diagram

3 Acknowledgements

The following individuals created IntercontinentalExchange's eConfirm XML Schema:

- Carrie Slagle, IntercontinentalExchange
- Hank Tullis, IntercontinentalExchange
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- Chuck Vice, IntercontinentalExchange
- Cindy Worley, IntercontinentalExchange
- Daniel Xia, IntercontinentalExchange

4 Introduction

IntercontinentalExchange respectfully submits this document to The FpML Standards Committee to encourage the inclusion of IntercontinentalExchange's eConfirm XML Schema into the FpML Standard. IntercontinentalExchange provides this information and suggests that it be used by an FpML Working Group whose purpose is to produce a version of FpML to include energy markets.

5 Scope

The scope of this document is inclusive of the following:

- Energy Market Types
 - Physical Natural Gas
 - Financial Natural Gas
 - Physical Power
 - Financial Power
 - Financial Oil & Refined Products
- Continents
 - North America
 - Physical Natural Gas
 - Financial Natural Gas
 - Physical Power
 - Financial Power
 - Financial Oil & Refined Products
 - Europe
 - Financial Oil & Refined Products
 - Asia
 - Financial Oil & Refined Products



More specifically, the document's scope is inclusive of over one hundred commonly traded energy products. The products are listed below and are grouped by energy market type:

5.1 Financial Oil

Gasoil Swap

- 0.5% Sing Swap
- GO 1st line swap

Gasoil Crack Swap

- 0.5% Sing/Dubai 1st Line Swap
- GO 1st Line/Brent 1st Line Swap

Gasoil Arb Swap

- 0.5% Sing/GO 1st Line Swap

Fuel Oil Swap

- 1% NWE FOB Cargo Swap
- 1% NYH Cargo Swap
- 180cst Sing Swap
- 3% USGCW Swap
- 3.5% Rdam Barges Swap
- 1% FOB Rdam Barges Swap

Fuel Oil Crack Swap

- 1% NWE FOB Cargo/Brent 1st Line Swap
- 1% NYH Cargo Swap/WTI 1st Line Swap
- 180cst Sing/Dubai 1st Line Swap
- 3.5% Rdam Barges/Brent 1st Line Swap
- 3% USGCW swap/WTI 1st Line Swap

Fuel Oil Diff Swap

- 3.5% MED FOB Cargo/3.5% Rdam Barges
- 1% NYH Cargo swap/3% USGCW Swap
- 180cst Sing Swap/3.5% Rdam
- 1% Rdam FOB Cargo/1% NWE FOB Cargo

Crude Swap

- Brent 1st Line Swap
- Dubai 1st Line Swap
- Tapis Swap
- WTI 1st Line Swap
- WTI BAS
- Dated Brent
- Oman MOG OSP

Crude Diff Swap

- Dated/Brent 1st Line Swap
- WTI 1st Line/Brent 1st Line Swap
- Brent/Dubai 1st Line Swap



Crude Diff Swap
Dubai/Oman MOG OSP

Gasoil Diff Swap

EN590 MED CIF/GO 1st Line Swap
EN590 NWE CIF/GO 1st Line Swap
GO MED FOB/GO 1st Line Swap
GO NWE CIF/GO 1st Line Swap
GO Rdam Barges/GO 1st Line Swap
EN590 Rdam FOB/GO 1st Line Swap
Ultralow Sulphur Diesel FOB Rdam Barge/GO 1st Line
ULSD NWE CIF/GO 1st Line Swap
NYH Barges Unl 87 RFG/HU 1st Line Swap
NYH Barges Unl 87/HU 1st Line Swap

Heating Oil Swap

HO 1st Line Swap
USGC No. 2 HO Swap

Heating Oil Crack Swap

HO 1st Line/WTI 1st Line Swap
USGC No. 2/WTI 1st line Swap

Gasoline Swap

HU 1st Line Swap
Rdam Barges Eurograde Swap
USGC Conv Unl 87
NWE CIF Premium Unleaded Cargo Swap
MED FOB 0.15 Premium Unleaded Cargo Swap

Product Diff Swap

HU 1st Line/HO 1st Line Swap
USGC Conv Unl 87/USGC No. 2 Swap

Gasoline Crack Swap

USGC Conv Unl 87/WTI 1st line swap
HU 1st Line/WTI 1st Line Swap
Rdam Barges Eurograde/Brent 1st Line Swap

Naphtha Swap

Naphtha NWE CIF Cargo Swap
Naphtha Sing FOB Cargo Swap

Naphtha Crack Swap

Naphtha NWE CIF Cargo/Brent 1st Line Swap
Naphtha Sing FOB Cargo/Dubai 1st Line Swap

Jet Fuel Diff Swap

NWE CIF Cargo/GO 1st Line Swap
NWE CIF/MED Cargo FOB Swap
NWE CIF Cargo/Rdam Barges FOB Swap



Sing Regrade Swap
USGC 54 Jet/HO 1st Swap
MED Cargo FOB/GO 1st Line Swap

Jet Oil Diff Swap

NWE Sulfur Premium Swap

Jet Arb Swap

Sing Kero/NWE CIF Cargo Swap

Jet Fuel Swap

Sing Kero Swap
USGC 54 Jet
NWE CIF Cargo
MED Cargo FOB Swap

Jet Fuel Crack Swap

USGC 54 Jet/WTI 1st Swap
Sing Kero/Dubai
NWE CIF Cargo/Brent 1st Line Swap

Gasoline Diff Swap

USGC Conv Unl 87/HU 1st Line Swap
Rdam Barges Eurograde Swap/GO 1st Line Swap

Heating Oil Diff Swap

USGC No. 2/HO 1st Line Swap
USGC Diesel/HO 1st Line Swap
USGC Diesel/HO 1st Line Swap
NYH Barges LS No. 2/HO 1st Line Swap

5.2 Financial Natural Gas

NG Fixed Price Swap

NG Fin, FP for LD1
NG Fin, FP for Penultimate

NG Swing Swap

NG Fin, FP Swing
NG Fin ID Swing

NG Basis Swap

NG Fin, BS

5.3 Physical Natural Gas

NG Basis

NG Phys BS

NG Fixed Price

NG Phys FP

NG Indexed Price
NG Phys ID
NG Phys ID Swing

5.4 Financial Power

Power Fixed Price Swap
Fin Power FP

5.5 Physical Power

Power Fixed Price
Phys Power FP

6 Energy Markets Architecture

IntercontinentalExchange developed the XML schema for the five energy market types listed above by working closely with eight of the energy industry's leading energy trading entities over a ten-month period. Once developed, the XML schema was implemented in IntercontinentalExchange's eConfirm system, which is a live and operational electronic trade confirmation system. Since the eConfirm service launch on April 29, 2002, eConfirm participants have confirmed over 35,000 energy trades online.

The document entitled "Content Model Diagram" contains IntercontinentalExchange's eConfirm XML schema for energy markets.