

FDTF Standards, Applications and Consumers

Business SMEs

Risk, Finance, Legal, Front/Middle/Back-Office

Consumers of FDTF standards

Government/Regulators

OFR, SEC, CFTC, other Agencies

Software Vendors/SIs/Consultants

Architects, Modelers, Data Mgmt staff, developers

Industry Analysts, Academics, NGOs

Sample Business Usage/Applications of FDTF Standards

Regulatory Reporting

Dodd-Frank, Volcker Rule,
Basel II/ III

'Business Value Metrics' for Business Critical Elements

(Risk Modeling, Regulatory
Capital...)

Trade Heat Map

(Trade Settlement Fails
Analysis)

Impact analysis of:

Corporate Actions, Event
based Costing, other
Complex Events...

**Analysis, Simulation of
Counterparty Credit Risk,
Systemic Risk...**

Financial Industry Speech Communities (English, other languages)

(Human and machine readable Terminology for: Reference Data (Instruments, Legal Entities, Pricing...), Corporate Actions, Trade Transactions, Accounting...)

FDTF standards

Financial Industry Business Ontology (FIBO)

- Business Entity Hierarchy
- Financial Instruments Taxonomy
- Corporate Actions
- Identifier Taxonomy
- Date/time concepts
- Loans...

**Business Critical Attributes for Counterparty
Credit Risk Modeling**

Trade Lineage Map

- Trade Process Model of major
life-cycle Events
- Trade Semantic Model
- Critical attributes for trade
reconciliation, surveillance...

Property and Casualty Insurance

- Insurance business vocabulary, logical data
model

Regulatory Reporting

- Counterparty exposure vocabulary and critical
data elements...

**Model Driven
Messaging &
Interchange**

**Semantics Framework,
Business Natural
Language and abstract
model for XBRL**

Business Natural Language for Financial Services

OMG Modeling Languages Used in FDTF Standards

Business Modeling Languages

- Business value, motivation, decision and
requirements modeling
- Business Process modeling
- Business rules and vocabulary modeling
- Regulation life-cycle modeling
- Information life-cycle modeling
- Records management, business event modeling

Core Modeling

Framework, Standards
•Model Driven Architecture
•Meta Object Facility, Unified
Modeling Language, XML
Metadata Interchange

Technology Modeling Languages

- System Modeling
- Data distribution and exchange
- Service (SOA) modeling
- Software Agent modeling
- Model transformation and interoperability