



TradeHeader

Data Standards Consultants



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We're specialists on the use and customize data standards in the financial services industry including FpML, FIX PROTOCOL, and ISO 20022

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www.tradeheader.com

Add value

From TradeHeader we like to provide the highest quality in consulting, development and training services we offer to companies that adopt financial standards in their operations.

Our knowledge of the messaging standards applied in the current global market and our experience in the financial products, the dynamism and motivation in our work, we want it to be reflected in added value for our clients.

We are happy to present all the services that TradeHeader offers, with the goal to continue consolidating the businesses models of our clients.



About TradeHeader

We create and add value for our customers through a perfect combination of messaging knowledge and complex financial products.

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Our Services

Our value contribution is not only in the use of the messaging standards, but also to have a great knowledge of the changes that occur in them.

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Consulting Services

We have extensive wide experience in the analysis, mapping and validation of financial messaging, applying to current challenges such as the European MIFID II regulation and its output format to ISO20022.

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Software Development

We are experts in parsing and transformation of formats, with several tools developed that allow the transformation, classification, validation and generation of standard financial messaging messages.

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Training

Doubts about the financial standards? TradeHeader training courses are modular and adaptable, allowing the clients to choose only those training areas that interest him, from FpML, FIX and ISO20022.

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About TradeHeader



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We create value for our customers through a perfect combination of messaging knowledge and complex financial products.

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TradeHeader is a Global Consulting Boutique Firm that specializes in the use of messaging for financial industry. Our main activity is based on capital market integration projects in which not only technical skills are required but also a great deal of knowledge in complex financial products.

This double aspect highlights TradeHeader among its competitors, offering its clients not only the best technical solutions, but also a deep knowledge in derivatives and complex financial products.

TradeHeader's origins linked to the International Swaps

and Derivatives Association (ISDA), makes TradeHeader an a specialized company over the past 13 years in the modeling of over-the-counter (OTC) products and listed products, in addition to all processes and events around of these.



Our clients, our best guarantee



BBVA
Global Bank



Credit Agricole
Global Bank



Deutsche Bank
Global Bank



Nordea
Global Bank

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Our clients are a combination of global banks, technology companies, asset managers, fintechs or clearing houses among others.

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ISDA
Trade Association



Bloomberg
IT Business



Droit
Fintech



Kantox
Fintech



Legal & General
Asset Managers



Columbia Threadneedle
Asset Managers



BME Clearing
Clearing House



Hong Kong ICL
Clearing House

Our Services

Our service catalog is divided into three main areas

C Consultoría



S Software



f Formación



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Our value contribution is not only to use the messaging standards, but also to have a great knowledge of the changes that occur in them.

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At TradeHeader we specialize in the use of messaging standards such as FpML, FIX and ISO20022 for integration projects in the financial industry.

Our differential value is characterized not only by using these messaging standards, but also by having an active participation in its development, through participation in the working groups that lead them.

This allows us to have a constant knowledge of the changes that occur in these standards, providing a direct value to all our customers.

In our projects, we use all this experience around FpML, FIX and ISO20022 to develop the best solutions for our customers.

This knowledge of the standard, along with our knowledge in complex financial products allows us to provide the best solutions to enrich our projects.

Some of these projects range from customizations of Front-Office systems to standard model, or from standard to target systems.



Do not say consulting, say excellence

The value of TradeHeader as a consulting company relies on having a great knowledge of complex financial products and the processes that occur around them, and how to translate this information of products and processes into data.

In particular, in TradeHeader we are specialists in understanding properly all data that defines these products and financial processes representing, how to model each of these data in the different forms of messaging that exist in the market; Either a standard format such as FpML, FIX / FIXML or ISO20022, or a proprietary format of vendors such as Calypso, Murex or Wallstreet among others.

Some projects examples:

Data Mapping of Front-Office and Back-Office Systems

Data Analysis from source or destination systems and their mapping to standard messaging such as FpML, FIX / FIXML or ISO20022. Systems like: Murex, Calypso, Scrittura, Summit, Sophis, Bloomberg AIM / TOMS, FrontArena, Wall Street Systems, Kondor +, Opics, etc ...



Internal Messaging Development

Analysis of source and destination systems, allows us to create internal messaging based on standards such as FpML, FIX / FIXML or ISO20022 to perform communication between them. These types of projects can be divided

Data source Analysis coverage in standard model

Data Analysis in order to propagate between source and destination system, choice of messaging standard used (FpML, FIX / FIXML or ISO20022) according to project needs, and data mapping.

Creating extensions for additional internal data

Development of XML schemas to cover additional information that can not be covered by standard messaging but which you want to propagate internally between systems.

Development of examples for model validation

Not only extensions are made, but sample messages are also created to test and validate that all data to be transmitted is well modeled and propagated properly between systems.

Validation rules Development for internal messaging

Based on the internal data model (standard + extensions) we develop validation rules that can be specific to a project, for a business use such as risk calculations, or to satisfy regulatory reports, such as MIFID II.



Consulting Services



Repository Architecture

We perform database design services for the storage of transactions and events related to these transactions, ie trades as such and post-trade events such as amendments, terminations, etc.

Classification and categorization of products

Structural analysis based on the transaction of messages to determine the type of product that is being sent in the message, with the purpose of either assigning a product typology or to make the messaging routing.

Analysis, mapping and validation for ESMA Regulatory Reporting

Data Analysis and messaging development required for the European regulation MIFID II / EMIR, covering the different products and processes reportable to ESMA. Our services also include the mapping, analysis and validation of data between different formats used in financial institutions (FIX, FpML, etc.) and the ESMA format based on the ISO20022 standard.

Data integration with DTCC and MarkitSERV

We have experience in the use, conversion and validation of data formats for integration with DTCC and MarkitSERV covering the different products and processes supported by such platforms.



We have extensive experience in the analysis, mapping and validation of financial messaging with application to current challenges such as the European MIFID II regulation and its ISO20022 output format.



Herramientas forjadas en la experiencia



We are specialists in parsers and transformation of formats

As a result of our extensive consulting experience in data mapping between systems, we have developed several software tools that allow us not only to map but also to transform between different data formats.

These tools or converters allow us to transform data from any input format (eg Murex) to a standard messaging format (FpML, FIX or ISO20022), allowing the client to standardize their messaging very quickly and economically, and by means of a deployment Which can be both local and in the cloud.

All these conversion tools are characterized by their high efficiency, flexibility and scalability, allowing you to make modifications to the tool without having to recompile the code.

Software Development

Some Software Examples:



Data converter to standard messaging

This software generates the conversion to financial standards like FpML, FIX / FIXML or ISO20022 using external XQuery scripts. All input files that can be CSV, JSON, MxML, Bloomberg TOMS, etc. are processed simultaneously, and the compilation is started in XQuery to save the results.

- Conversions are based on XQuery, which implies that there is no need to recompile the Java code in order to support other financial XML standards.
- The software includes validation of the output format, using XML schemas and business rules.
- Converters use the Apache Camel framework, which supports multiple transport mechanisms Such as AMQP, SFTP, email, etc., and both local and cloud deployment.

Validation engine (data quality)

We have a validation engine that is being used in a multitude of clients and projects that allows implementing validation rules for our internal messaging. These validation rules can be both standard business rules and rules based on regulatory issues. A specific application is to validate that the internal messaging contains all the information necessary to satisfy the reports of MIFID II / EMIR.



Matching Engine

The comparison engine based on FpML messaging allows you to find symmetric transactions within large volumes of messages. The engine uses the Hungarian Matrix algorithm, which determines the similarities between all the nodes of the message.

Defaulting Service

This service is responsible pf analyzing and enriching FpML transaction messages using default ISDA values and market conventions, depending on the product type.

The tool parses the input document and assigns default values to those fields that are not sent in the message.

Automatic FpML Sample Generator

This Automatic transaction generation tool is used primarily for testing large volumes of data. A typical case of application is a company that requires a large volume of operations to take performance measures of its database. Our transaction generator generates these examples automatically, ensuring that the resulting messages are valid from a business point of view, and therefore, the performance parameters obtained in the tests are significant.

ISDA Taxonomy Classifier

This tool is responsible of the processing of FpML messages, analyzing their content and classifying the products represented according to their message structure. Once classified, the tool enriches the product structure with an ISDA Taxonomy field, which is usually used by customers for regulatory or routing purposes.



Report generator for regulatory purposes

Reporting tool for regulatory purposes, such as the Minimum Economic Terms required for Dodd Frank in the United States. This type of software ihas been after developing several projects for clients using architectures with binding frameworks, where it is detected that in many occasions these tools are too rigid. Our report generator proposes a much more flexible regulatory reporting solution, using XSLT and configuration files to be able to customize the different reports without having to recompile the code every time a change occurs.

FpML messaging courses



Introduction to FpML

Course that covers a wide range of topics related to FpML, such as product representation, technical fundamentals, messaging, business processes and events, validation and recommendations on how to extend FpML.

Extending FpML

Practical course focused on extending the FpML standard. Participants learn how to extend the standard to cover complex products, actions, and customized messages.

Validating FpML

Advanced course focused on developing a validation engine. Participants learn how to run and extend an open source validation engine and how to extend it with new business rules and custom schemas.

Specific training by product area

Course that extends the content of the Introduction to FpML course covering additional product areas that are not covered in the introductory course. Adjusted to the needs of the client.

Online TradeHeader Training

TradeHeader offers on-line evaluation of the training courses carried out, as well as customizable teaching materials that can be adjusted to the needs of each client.

FIX-FIXML Training Courses



Introduction to FIX-FIXML

Introductory course covering a wide range of topics such as FIX-FIXML fundamentals, session and application layer, messaging and tools, XML schema fundamentals, and FIXML organization and extension principles.

Extending FIXML

Practical course focused on extending the FIXML standard. Participants learn how to extend FIXML to cover reference data, prices and custom fields.

ISO20022 Training Courses



Extending ISO20022

Practical course focused on extending the ISO20022 standard for use in internal messaging. The course can be focused on payments, actions or both.

Standards Training



Doubts about the financial standards?

TradeHeader's training courses are modular and adaptable, allowing the client to choose only those training areas that interest him / her from FpML, FIX and ISO20022.



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