

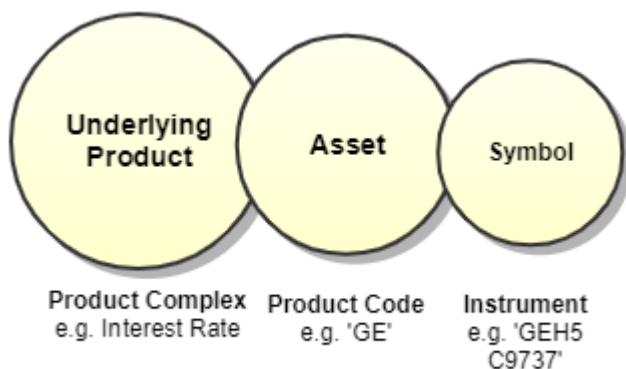
Correlating MDP 3.0 with Order Entry

Certain values transmitted in market data messages can be correlated with their counterpart iLink order entry message tags. This topic provides an overview and mapping of tags which can be correlated by the client.

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Market Data Product Model

Products traded on CME Globex are constructed according to the following MDP 3.0 hierarchy.



Underlying Product identifies the broadest categorization to which the product belongs, known as the Asset Class or Product Complex.

Asset identifies the underlying asset code upon which the instrument is based.

Symbol identifies the quotable instrument.

Additionally, outside of the the product hierarchy, **Security Group** identifies a technical platform configuration by which products are grouped to provide features such as Mass Quoting, UDS creation, market state changes, etc.

MDP 3.0 provides identifiers for the structure described above in the MDP3 Security Definition message as follows.

Value	Tag	FIX Name	Sample Value
Underlying Product	462	UnderlyingProduct	14=Interest Rate
Security Group	1151	SecurityGroup	ZE=Options on CME Eurodollar Futures
Asset	6937	Asset	GE=Eurodollar Futures
Symbol	55	Symbol	GEH5 C9737 9737 Call option on March 2015 CME Eurodollar Future

Correlating MDP 3.0 with Order Entry

The following section describes how these market data message tag values map to iLink order entry message tag values.

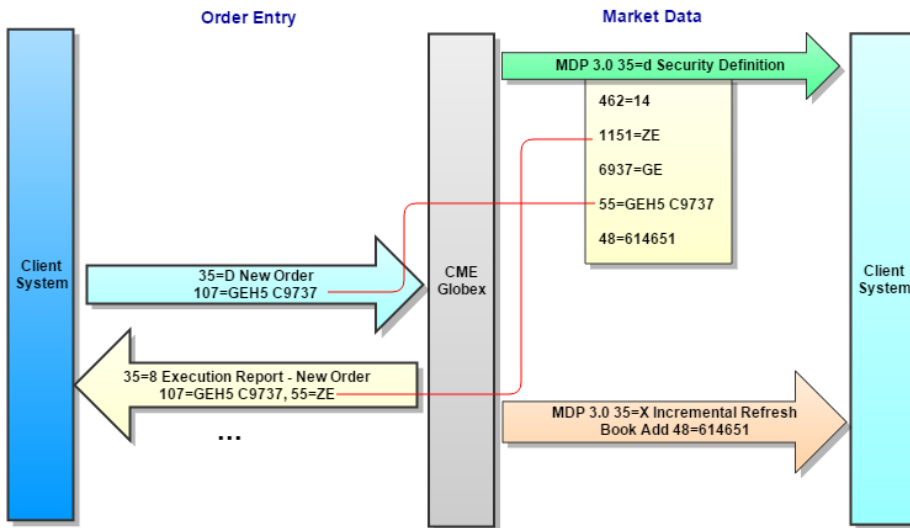
Mapping Market Data FIX Tag Values to Order Entry FIX Tag Values

MDP tag values correlate to the following iLink message tags for all message types:

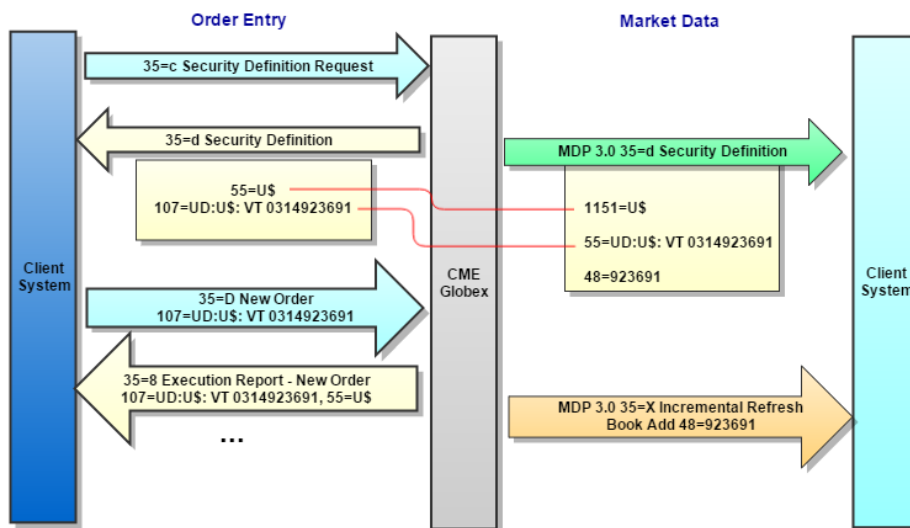
MDP	iLink Order Entry
tag 55-Symbol	tag 107-SecurityDesc
tag1151-SecurityGroup	tag 55-Symbol

The following diagram shows how values translate across MDP and iLink order entry messages.

Exchange Listed Instrument




User-Defined Instrument



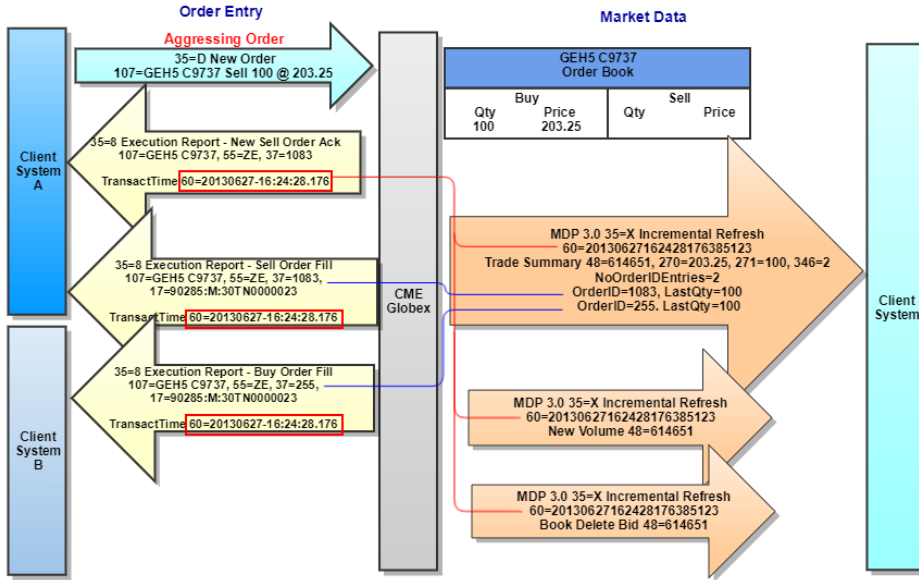
Correlating Trade Summary from MDP 3.0 to iLink Execution Report

Additionally, for correlating trades broadcast in the [Incremental Refresh](#) message, clients can use Trade Summary message tag 37-OrderID and tag 60-TransactTime as shown in the diagram below.

 The tag 60-TransactTime value will be sent in nanoseconds since the Unix epoch with microsecond precision.

In this example Client System A submits an aggressing Sell order to match the resting Buy order submitted by Client System B.

Event Start Time and Order Number Correlation



Correlating iLink Order Entry to MBO

Client systems can link their CME Globex iLink orders to MBO MDP 3.0 books via tag 37-OrderID.

