

# FIF/FPL Regulatory Working Group Enhanced Stop Order Type Support

[December 6, 2012]

[1.4]

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# **Document History**

Revision	Date	Author	Revision Comments
1.0	2012-10-17	Manisha K, Jim N, Lisa T	
1.1	2012-10-26	Manisha K	Minor changes based on FIF/FPL Regulatory Reporting WG Review; Accepted prior changes
1.2	2012-11-20	Jim N, Lisa T	Revised names of Stop on Quote and Stop on Quote Limit to use FPL acceptable terminology and eliminate confusion on the term "quote", Also removed a separate order type for Triggered order, as triggering applies to any order type.
1.3	2012-11-26	Jim N	Included references to Stop on Quote and Stop Limit on Quote in the business requirements section.
			Specified Stop on Quote and Stop Limit on Quote should be included in the elaborations for the new order types.
			Removed review comments at the end of the document.
1.4	2012-12-06	Lisa T, Manisha K	Minor edits based on GTC review feedback before public comment.
ASBUILT	2012-12-10	<u>Lisa T.</u>	ASBUILT with pre-assignments inserted.

#### 1 Introduction

On September 4, 2012, the SEC approved <u>SR-FINRA-2012-026</u>, a rule change relating to the handling of stop and stop limit orders. Relevant excerpts from this release are provided below:

- FINRA Rule 6140(h) currently provides that a member may, but is not obligated to, accept a stop order or a stop limit order in a designated security. A buy stop order becomes a market order when a transaction takes place at or above the stop price, and a sell stop order becomes a market order when a transaction takes place at or below the stop price. When a transaction occurs at the stop price, a stop limit order to buy or sell becomes a limit order at the limit price. Accordingly, FINRA rules provide that stop orders and stop limit orders are triggered (i.e., become a market or a limit order) by a transaction in a security.
- FINRA's proposal allows the use of transaction-based stop orders and stop limit orders by providing a uniform definition of "stop order" and "stop limit order" while also allowing member firms to offer order types that are triggered by an event other than a transaction (e.g., a quotation). The Commission notes that a member that provides an order type that is triggered by an event other than a transaction at the stop price cannot label the order type a "stop order" or a "stop limit order," and must clearly distinguish the order type from a "stop order" and a "stop limit order." In addition, the member must disclose to the customer, in paper or electronic form, prior to the time the customer places the order, a description of the order type including the triggering event.
- FINRA notes that it will provide an implementation period of no less than 90 days following Commission approval of the proposed rule change to provide members that determine to offer stop orders and stop limit orders with alternative triggers with time to make necessary technology changes.

#### 2 Business Requirements

A stop is a type of triggering instruction that tells the OMS or trading system to activate a previously entered order and place the order into the market (book) when some market event occurs. The primary triggering event is a trade occurring at or through the stop price (specified in StopPx(99)). Some markets trigger orders on a quotation (an order entering and resting in the book). The FINRA rule change requires more granularity in specification of the triggering behavior and price. Firms expect to address this requirement both with changes to FIX order types and changes to client disclosures.

The FIX specification currently provides two types of stop orders. The Stop Order (OrdType(40)=3) – which is a stop order that becomes a market order when a trade triggers the order. The Stop Limit Order (OrdType(40)=4) is a stop order that becomes a limit order at the price with a trade triggers the order.

The TriggeringInstruction Component was added to FIX in version FIX.5.0. The TriggeringInstruction provides considerable granularity in specification of the trigger and the action and behavior on the order when it is triggered.

Tag	Field Name	Description			
1100	TriggerType	Required if any other Triggering tags are specified.  Defines when the trigger will hit, i.e. the action specified by the trigger instructions will come into effect.			
		1 Partial Execution 2 Specified Trading Session 3 Next Auction 4 Price Movement			
1101	TriggerAction	Defines the type of action to take when the trigger hits.  1			

1628	TriggerScope	Defines the scope of TriggerAction(1101) when it is set to "cancel" (3).
		0 This order (default)
		1 Other order (use RefID)
		2 All other orders for the given security
		3 All other orders for the given security and price
		4 All other orders for the given security and side
		5 All other orders for the given security, price and side
1102	Tricanappring	
	TriggerPrice	The price at which the trigger should hit.
1103	TriggerSymbol	Defines the common, 'human understood' representation of the security whose prices will be tracked by the trigger logic.
1104	TriggerSecurityID	Defines the identity of the security whose prices will be tracked by the
	<i>86</i>	trigger logic.
1105	TriggerSecurityIDSource	Defines the identity of the security whose prices will be tracked by the
		trigger logic. Same values as SecurityIDSource (22).
1106	TriggerSecurityDesc	Defines the security description of the security whose prices will be
		tracked by the trigger logic.
1107	TriggerPriceType	The type of price that the trigger is compared to.
		1 Best Offer
		2 Last Trade
		3 Best Bid
		4 Best Bid or Last Trade
		5 Best Offer or Last Trade
		6 Best Mid
1108	TriggerPriceTypeScope	Defines the type of price protection the customer requires on their
1108	Trigger rice rypescope	order.
		0 None
		1 Local (Exchange, ECN, ATS)
		2 National (Across all national markets)
		3 Global (Across all markets)
1109	TriggerPriceDirection	The side from which the trigger price is reached.
		U Trigger if the price of the specified type goes UP to or
		through the specified Trigger Price.
		D Trigger if the price of the specified type goes DOWN to
		or through the specified Trigger Price.
1110	TriggerNewPrice	The Price that the order should have after the trigger has hit. Could be
		applicable for any trigger type, but must be specified for Trigger Type 1.
1111	TriggerOrderType	The OrdType the order should have after the trigger has hit. Required to
		express orders that change from Limit to Market. Other values from
		OrdType (40) may be used if appropriate and bilaterally agreed upon.
		yr (10)) 22 assa 22 arriver and onassamy agreed upon
		1 Market
		2 Limit
1112	TriggerNewQty	The Quantity the order should have after the trigger has hit.
1113	TriggerTradingSessionID	Defines the trading session at which the order will be activated.
1113	TriggerTradingSessionSubID  TriggerTradingSessionSubID	Defines the trading session at which the order will be  Defines the subordinate trading session at which the order will be
1114	111gget 11aunigsessionsuum	activated.
		activated.

The FIF/FPL Regulatory Reporting Working Group has agreed that the following new order types are required to be added as values to OrdType(40).

• A new enumeration of *Stop on Bid or Offer* (referred to as Stop on Quote for US Equity markets for retail customer communication) is proposed for OrdType(40) which is used to indicate a stop order that is

triggered by a bid or offer price movement (quotation) at which point the stopped order becomes a market order. For example, in the U.S. equities market, it is common to trigger a stop off of the National Best Bid or Offer.

• A new enumeration of *Stop Limit on Bid or Offer (referred to as Stop Limit on Quote for US Equity markets for retail customer communication)* is proposed for OrdType(40) which is used to indicate a stop order that is triggered by a bid or offer price movement at which point the stopped order becomes a limit order.

Users are encouraged to provide additional information on triggering actions using the TriggeringInstruction Component for any *Stop on Bid or Offer* and *Stop Limit on Bid or Offer* order types, similar to what is currently done in practice with *Stop Order* and *Stop Limit Order* order types.

#### 3 Issues and Discussion Points

Changes to systems will require sufficient implementation time. As indicated in <u>FINRA Regulatory Notice 12-50</u>, the current effective date for the Rule is January 21, 2013.

Changes to FINRA OATS are also expected in order to accommodate these new order types.

Should TriggerInstruction component block be added to 8000 tag range to provide support for FIX.4.0 – FIX.4.2 FIX implementations that cannot support tag values from later versions? During the discussion with the FIF/FPL Working Group members, none of the firms on the calls expressed an interest in using TriggeringInstruction on pre-FIX5.0 that are noncompliant in terms of supporting tags from older versions of FIX.

2012-12-06: from GTC call it was concluded that this is not a current requirement. Implementers will use customer disclosures to provide additional details related to triggering instructions as required.

### 4 Proposed Message Flow

No Changes to existing message flows are required to implement this extension pack.

### **5 FIX Message Tables**

The addition of the new values to OrdType(40) would be applicable in all messages that contains OrdType(40) and used as specified by specific implementations.

#### 5.1 FIX Message NewOrderSingle

The FIX NewOrderSingle message does not require any changes. The OrdType(tag 40) field and the TriggeringInstruction Component are shown for information purposes only.

To be completed at the time of the proposal – all information provided will be stored in the repository						
Message Name		NewOrderSingle				
Message Abbreviated Nar	ne (for FIXML)	Order				
Category		SingleGeneralOrderHandling				
Message Synopsis	securities and for The New Order wishing to elect	message type is used by institutions wishing to electronically submit orex orders to a broker for execution.  r message type may also be used by institutions or retail intermediaries tronically submit Collective Investment Vehicle (CIV) orders to a broker or for execution.				

Message Elaboration	
То	be finalized by FPL Technical Office
(MsgType(tag 35) Enumeration	D
Repository Component ID	14

Та	Field Name	R	XMLNam	FIX Spec Comments	Action	Mappings and Usage Comments
g		eq 'd	e			
Stan	dardHeader	Y	BaseHead er	MsgType = D		
11	ClOrdID	Y	ClOrdID	Unique identifier of the order as assigned by institution or by the intermediary (CIV term, not a hub/service bureau) with closest association with the investor.		
526	SecondaryClOrdID	N	ClOrdID2			
583	ClOrdLinkID	N	ClOrdLin kID			
Comp <par< td=""><td>ponent ties&gt;</td><td>N</td><td>Pty</td><td>This is party information related to the submitter of the request.</td><td></td><td></td></par<>	ponent ties>	N	Pty	This is party information related to the submitter of the request.		
	Component <targetparties></targetparties>		TgtPty	Identifies parties not directly associated with or owning the order, who are to be informed to effect processing of the order.		
229	TradeOriginationDat e	N	OrignDt			
75	TradeDate	N	TrdDt			
1	Account	N	Acct			
660	AcctIDSource	N	AcctIDSrc			
581	AccountType	N	AcctTyp	Type of account associated with the order (Origin)		
589	DayBookingInst	N	DayBkngI nst			
590	BookingUnit	N	BkngUnit			
591	PreallocMethod	N	PreallocM eth			
70	AllocID	N	AllocID	Used to assign an overall allocation id to the block of preallocations		
Component <preallocgrp></preallocgrp>		N	PreAll	Number of repeating groups for pre-trade allocation		
63	SettlType	N	SettlTyp	For NDFs either SettlType or SettlDate		

				should be specified.	
64	SettlDate	N	SettlDt	Takes precedence over SettlType value and conditionally required/omitted for specific SettlType values. For NDFs either SettlType or SettlDate should be specified.	
544	CashMargin	N	CshMgn		
635	ClearingFeeIndicator	N	ClrFeeInd		
21	HandlInst	N	HandlInst		
18	ExecInst	N	ExecInst	Can contain multiple instructions, space delimited. If OrdType=P, exactly one of the following values (ExecInst = L, R, M, P, O, T, W, a, d) must be specified.	
180 5	AuctionInstruction	N	AuctInst		
110	MinQty	N	MinQty		
182 2	MinQtyMethod	N	MinQtyM eth		
108 9	MatchIncrement	N	MtchInc		
109 0	MaxPriceLevels	N	MxPxLvls		
Comp	oonent chingInstructions>	N	MtchgInst		
Comp	ponent playInstruction>	N	DsplyInstr		
Comp	onent closureInstructionGrp	N	DisclsrIns t	Specifies instructions to disclose certain order level information in market data.	
111	MaxFloor	N	MaxFloor		
130 0	MarketSegmentID	N	MktSegID		
100	ExDestination	N	ExDest		
113	ExDestinationIDSour ce	N	ExDestID Src		
<trda< td=""><td>oonent gSesGrp&gt;</td><td>N</td><td>TrdSes</td><td>Specifies the number of repeating TradingSessionIDs</td><td></td></trda<>	oonent gSesGrp>	N	TrdSes	Specifies the number of repeating TradingSessionIDs	
81	ProcessCode	N	ProcCode	Used to identify soft trades at order entry.	
Component <instrument></instrument>		Y	Instrmt	Insert here the set of "Instrument" (symbology) fields defined in "Common Components of Application Messages"	

Com	nonent	N	FinDetls	Insert here the set of	
Component <financingdetails></financingdetails>		IV.	ruideus	"FinancingDetails" (symbology) fields defined in "Common Components of Application Messages"	
	ponent UnstrmtGrp>	N	Undly	Number of underlyings	
140	PrevClosePx	N	PrevClsPx	Useful for verifying security identification	
54	Side	Y	Side	•	
168 8	ShortSaleExemption Reason	N	ShrtSaleE xmptnRsn	Available for optional use when Side(54) = 6(Sell short exempt).	
114	LocateReqd	N	LocReqd	Required for short sell orders	
60	TransactTime	Y	TxnTm	Time this order request was initiated/released by the trader, trading system, or intermediary.	
	oonent ulations>	N	Stip	Insert here the set of "Stipulations" (repeating group of Fixed Income stipulations) fields defined in "Common Components of Application Messages"	
854	QtyType	N	QtyTyp		
	ponent lerQtyData>	Y	OrdQty	Insert here the set of "OrderQtyData" fields defined in "Common Components of Application Messages"	
<mark>40</mark>	OrdType	Y	OrdTyp		New enumerations are being created for stop orders triggered by bids or offers.
423	PriceType	N	PxTyp		
44	Price	N	Px	Required for limit OrdTypes. For F/X orders, should be the "all-in" rate (spot rate adjusted for forward points). Can be used to specify a limit price for a pegged order, previously indicated, etc.	
109 2	PriceProtectionScope	N	PxPrtScp		
99	StopPx	N	StopPx	Required for OrdType = "Stop" or OrdType = "Stop limit".	
	oonent ggeringInstruction>	N	TrgrInstr	Insert here the set of "TriggeringInstruction" fields defined in "common components of application	Highlighted to show where TriggeringInstruction exists in NewOrderSingle message.

				messages''			
<spre eData</spre 	Component <spreadorbenchmarkcurv eData&gt;</spreadorbenchmarkcurv 		SpreadOrBenchmarkCurv		SprdBnch mkCurve	Insert here the set of "SpreadOrBenchmarkC urveData" (Fixed Income spread or benchmark curve) fields defined in "Common Components of Application Messages"	
_	oonent dData>	N	Yield	Insert here the set of "YieldData" (yield- related) fields defined in "Common Components of Application Messages"			
15	Currency	N	Ссу				
174 0	TradePriceNegotiatio nMethod	N	TrdPxNeg ottnMeth				
174 1	UpfrontPriceType	N	UpfrontPx Typ				
174 2	UpfrontPrice	N	UpfrontPx	Upfront Price for CDS transactions. Conditionally required if TradePriceNegotiationM ethod(1740) = 4(Percent of par and upfront amount), 5(Deal spread and upfront amount) or 6(Upfront points and upfront amount).			
376	ComplianceID	N	Complian ceID				
377	SolicitedFlag	N	SolFlag				
23	IOIID	N	IOIID	Required for Previously Indicated Orders (OrdType=E)			
117	QuoteID	N	QID	Required for Previously Quoted Orders (OrdType=D)			
59	TimeInForce	N	TmInForc e	Absence of this field indicates Day order			
168	EffectiveTime	N	EfctvTm	Can specify the time at which the order should be considered valid			
432	ExpireDate	N	ExpireDt	Conditionally required if TimeInForce = GTD and ExpireTime is not specified.			
126	ExpireTime	N	ExpireTm	Conditionally required if TimeInForce = GTD and ExpireDate is not specified.			
427	GTBookingInst	N	GTBkngIn st	States whether executions are booked out or accumulated on a partially filled GT order			
162 9	ExposureDuration	N	ExpsreDur	Conditionally required when			

				TimeInForce(59)=10 (Good for Time)	
	Component <commissiondata></commissiondata>		Comm	Insert here the set of "CommissionData" fields defined in "Common Components of Application Messages"	
528	OrderCapacity	N	Cpcty		
529	OrderRestrictions	N	Rstctions		
181 5	TradingCapacity	N	TrdgCpcty		
109 1	PreTradeAnonymity	N	PrTrdAno n		
139 0	TradePublishIndicato r	N	TrdPubInd	Applies to trades resulting from the order.	
582	CustOrderCapacity	N	CustCpcty	-	
121	ForexReq	N	ForexReq	Indicates that broker is requested to execute a Forex accommodation trade in conjunction with the security trade.	
120	SettlCurrency	N	SettlCcy	Required if ForexReq=Y. Required for NDFs.	
775	BookingType	N	BkngTyp	Method for booking out this order. Used when notifying a broker that an order to be settled by that broker is to be booked out as an OTC derivative (e.g. CFD or similar). Absence of this field implies regular booking.	
58	Text	N	Txt		
354	EncodedTextLen	N	EncTxtLe n	Must be set if EncodedText field is specified and must immediately precede it.	
355	EncodedText	N	EncTxt	Encoded (non-ASCII characters) representation of the Text field in the encoded format specified via the MessageEncoding field.	
193	SettlDate2	N	SettlDt2	Can be used with OrdType = "Forex - Swap" to specify the "value date" for the future portion of a F/X swap.	
192	OrderQty2	N	Qty2	Can be used with OrdType = "Forex - Swap" to specify the order quantity for the future portion of a F/X swap.	

5.10	D : 2	T > 7	I D 2		1	
640	Price2	N	Px2	Can be used with		
				OrdType = "Forex -		
				Swap" to specify the		
				price for the future		
				portion of a F/X swap		
				which is also a limit		
				order. For F/X orders,		
				should be the "all-in" rate		
				(spot rate adjusted for		
				forward points).		
181	ClearingAccountTyp	N	ClrAcctTy	1 /		
6	e e	1	p			
77	PositionEffect	N	PosEfct	For use in derivatives		
//	FositionEffect	11	FOSEICI			
				omnibus accounting		
203	CoveredOrUncovere	N	Covered	For use with derivatives,		
	d			such as options		
210	MaxShow	N	MaxShow			
	ponent	N	PegInstr	Insert here the set of		
<peg< td=""><td>Instructions&gt;</td><td></td><td></td><td>"PegInstruction" fields</td><td></td><td></td></peg<>	Instructions>			"PegInstruction" fields		
				defined in "Common		
				Components of		
C		3.7	D' 7	Application Messages"		
	onent	N	DiscInstr	Insert here the set of		
<disc< td=""><td>cretionInstructions&gt;</td><td></td><td></td><td>"DiscretionInstruction"</td><td></td><td></td></disc<>	cretionInstructions>			"DiscretionInstruction"		
				fields defined in		
				"Common Components		
				of Application		
				Messages"		
0.47		N.T.	TD +C+ +			
847	TargetStrategy	N	TgtStrateg	The target strategy of the		
		N	у	order		
	Component		StrtPrmG	Strategy parameter		
	tegyParametersGrp>		rp	block		
848	TargetStrategyParam	N	TgtStrateg	For further specification		
	eters		yParamete	of the TargetStrategy		
			rs			
849	ParticipationRate	N	Participati	Mandatory for a		
/		- '	onRt	TargetStrategy=Participa		
			Ollict			
			1	te order and specifies the		
			1	target participation rate.		
		ĺ		For other order types		
			1	optionally specifies a		
			1	volume limit (i.e. do not		
				be more than this percent		
			1			
400	O 11 d P1 1	N.T	C II d	of the market volume)		
480	CancellationRights	N	Cxllation	For CIV - Optional		
			Rights			
481	MoneyLaunderingSt	N	MnyLaun			
	atus		deringStat			
513	RegistID	N	RegistID	Reference to Registration		
		- '		Instructions message for		
			1	this Order.		
40.4		N	D : .:			
		i N.I	Designatio	Supplementary		
494	Designation	IN	υ			
494	Designation	IN	n	registration information		
494	Designation	IN	_	registration information for this Order		
102	Designation  ManualOrderIndicato	N	_			
102	Ü		n			
102 8	ManualOrderIndicato	N	n ManOrdIn d			
102	ManualOrderIndicato		n ManOrdIn			

103	ReceivedDeptID	N	RcvdDptI		
0	пссеттендерид	11	D D		
103	CustOrderHandlingI	N	CustOrdH		
1	nst		dlInst		
103	OrderHandlingInstSo	N	OrdHndlI		
2	urce		nstSrc		
172	OrderOrigination	N	OrdOrignt		
4			n		
172	OriginatingDeptID	N	OrigntngD		
5			eptID		
172	ReceivingDeptID	N	RcvgDept		
6			ID		
522	OwnerType	N	OwnerTyp		
Comp	Component		TrdRegTS		
<trd< td=""><td>RegTimestamps&gt;</td><td></td><td></td><td></td><td></td></trd<>	RegTimestamps>				
108	RefOrderID	N	RefOrdID	Required for counter-	
0				order selection / Hit /	
				Take Orders. (OrdType =	
100	D 40 1 TD 4		D 40 17D	Q)	
108	RefOrderIDSource	N	RefOrdID	Conditionally required if	
160	TI uli	N.T	Src	RefOrderID is specified.	
168 5	ThrottleInst	N	ThrttlInst		
180	RefClOrdID	N	RefClOrdI		
6			D		
180	AuctionType	N	AuctTyp	Conditionally required	
3				for auction orders	
180	AuctionAllocationPc	N	AuctPct		
4	t				
Stand	lardTrailer	Y	Trlr		

### **6 FIX Component Blocks**

There are no changes to components required.

## **Appendix A - Data Dictionary**

Tag	FieldName	Action	Datatype	Descripti	on		FIXML Abbreviation	Add to / Deprecate from Message type or Component block
40	OrdType	CHANGE	char	Order Tyj	pe			Provide Elaboration for 3
				1	= Market	[Market]		(Stop / Stop Loss) to
				2	= Limit	[Limit]		specify that the stop order is triggered exclusively as
				3	= Stop / Stop	[Stop]		a result of a trade.
					Loss	Elaboration: A stop order		Provide Elaboration for 4
						that is triggered as a result of a trade in the market.		(Stop Limit) to specify that stop limit order is
				4	= Stop Limit	[StopLimit]		triggered exclusively as a
					Stop Emilit	Elaboration: A stop limit		result of a trade.
		order that is triggered as a result of a trade in the market.  5 = Market On Close (No longer used)  6 = With Or Without  7 = Limit Or Better  8 = Limit With Or Without  [LimitWithOrWithout] Or Without					Provide elaborations that	
								describe Stop on Bid or
				Offer is referred to as Stop on Quote in some markets,				
					Close (No longer	[		for example US Equities markets Provide elaboration that
				6		[WithOrWithout]		Stop Limit on Bid or Offer is referred to as Stop Limit on Quote in some markets,
				for example US Equities				
				8				
					9	= On Basis	[OnBasis]	
		(No	= On Close (No longer used)	[OnClose]				
				В	= Limit On Close (No	[LimitOnClose]		

	С	longer used) = Forex	[ForexMarket]		
		Market (No longer used)			
	D	= Previously Quoted	[PreviouslyQuoted]		
	E	= Previously Indicated	[PreviouslyIndicated]		
	F	= Forex Limit (No longer used)	[ForexLimit]		
	G	= Forex Swap	[ForexSwap]		
	Н	= Forex Previously Quoted (No longer used)	[ForexPreviouslyQuoted]		
	l	= Funari (Limit day order with unexecuted portion handles as Market On Close. E.g. Japan)	[Funari]		
	J	= Market If Touched (MIT)	[MarketIfTouched]		
	K	= Market	[MarketWithLeftOverAsLimit]		

		With Left Over as Limit (market order with unexecuted quantity becoming limit order at last price)		
	L	= Previous Fund Valuation Point (Historic pricing; for CIV)		
	M	= Next Fund Valuation Point (Forward pricing; for CIV)	[NextFundValuationPoint]	
	Р	= Pegged	[Pegged]	
	Q	= Counter- order selection	[CounterOrderSelection]	
	<u>R</u> tbd(	<del>R)</del> = Stop on Bid or Offer	[StopOnBidOrOffer] Elaboration: A stop order that is triggered by a bid or offer price movement (quote) at which point the stopped order becomes a market order, also known as	

	"stop on quote" in some markets (e.g. US markets). In the US equities market it is common to trigger a stop off the National Best Bid or Offer (NBBO).  [StopLimitOnBidOrOffer] Elaboration: A stop order that is triggered by a bid or offer price movement (quote) at which ponit the stopped order becomes a limit order, also known as "stop limit on quote" in some markets (e.g. US markets). In the US equities market it is common to trigger a stop off the National Best Bid or Offer (NBBO).	
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## **Appendix B - Glossary Entries**

Term	Definition	Field where used

### **Appendix C - Abbreviations**

Term	Proposed Abbreviation	Proposed Messages, Components, Fields where used

## **Appendix D - Usage Examples**