

# GTC Update – What is happening?





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Jim Northey, Co-Chair Global Technical Committee, Americas Region, FIX Trading Community, Chair Elect, ISO TC68 Financial Services Technical Committee, and Consultant and Industry Standards Liaison, Itiviti



# FIX Global Technical Committee Updates 2018



**FIX Trading Community EMEA Trading Conference** 

Hanno Klein, Global Technical Committee co-chair for EMEA Senior Vice President, Deutsche Börse Group

Jim Northey, Global Technical Committee co-chair for the Americas

Marc Berthoud, MMT Technical Committee co-chair Executive Director, Head Data Strategy at SIX Swiss Exchange





# **Topics**

- FIX Support for MiFID II
- MMT Support for MiFID II
- FIX Application Layer Extensions
- FIX Technical Standards
- New FIX Website
- New FIX Discussion Forum







## FIX Support for MiFID II – Extension Packs

- More than 10 Extension Packs (started in 2016), see <a href="https://www.fixtrading.org/extension-packs/">https://www.fixtrading.org/extension-packs/</a>
  - EP206 Clock Synchronization Datatype Enhancement
     Enhancement of the precision of time stamp data types with higher resolution and greater granularity in order to meet MIFID II and MiFIR regulatory reporting requirements.
  - EP216 MMT v3 Support
     Supports MMT version 3.01 and the MiFID II post-trade flagging obligations.
  - EP222/228/229/237 MiFID II and MiFIR Extensions, Parts 1/2/3/4
     Extensions to support ESMA requirements for transparency and order record keeping.
  - EP231/232/235/236 ESMA RTS 22/27/2+23/28 Extensions
     Extensions to support ESMA best execution reporting (RTS 27, RTS 28), transaction reporting (RTS 22), data standards and formats for financial instrument reference data (RTS 2, RTS 23).
  - EP233 MiFID II Commission Unbundling
     New values and fields for the CommissionDataGrp to support the separation of different types of commissions.
  - EP238 ESMA RTS 2 Segmentation Criteria
     Extensions to support requirements related to ESMA RTS 2 Annex III Sections 2 to 11 (Segmentation Criteria).





# FIX Support for MiFID II – Implementation Guidelines

- Subgroups of the EMEA Regulatory Subcommittee developed a number of guidelines (https://www.fixtrading.org/fix-and-mifid/mifid-implementation-guidelines/)
  - MiFID/MiFIR II Trade Reporting Implementation Guidelines
  - MiFID II Commission Unbundling Recommended Practices
  - Best Execution Implementation Guidelines
  - AFME\_FIX Hand Offs Implementation Guidelines
  - Inter-Firm Data Communication for Transaction Reporting Implementation Guidelines
  - MiFID II Order Record Keeping Venue Subgroup Short Code Standard
  - MiFID Trading Capacity & FIX Tag 29
  - Recommendations for Algorithmic Testing Test Cases
  - RTS 1/RTS 2 Tree scenarios for post-trade transparency flags
  - Mapping Tables MiFID Fields to FIX Fields
- In case of deviations, please refer to section 2.1 Summary of the Proposed Solution in the Extension Packs for MiFID II and MiFIR, Parts 1-4 and FIXimate (<a href="http://fiximate.fixtrading.org/latestEP">http://fiximate.fixtrading.org/latestEP</a>).





# FIX Market Model Typology (MMT) Progress Report

# Marc Berthoud, Co Chair MMT Technical Committee





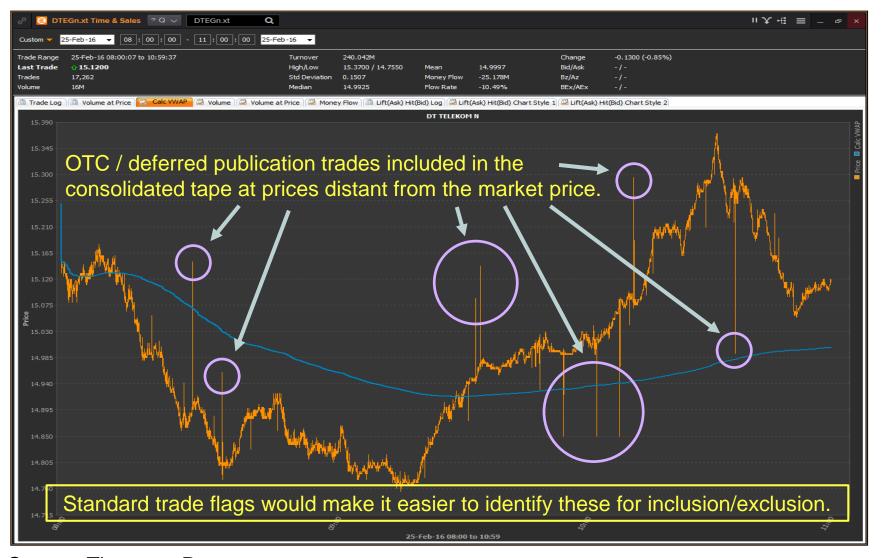
- Industry Demand: A demand for standardisation of trade data, which is a
  prerequisite for efficient data aggregation. MiFID/MiFIR is a great push
  towards much more data standardisation across financial markets.
- MMT Mission: Proactive and rapid adoption of a *de facto* standard for trade reporting across all equity and non-equity markets, especially in Europe.
- Benefit: There are obvious operational benefits by having the same trade data standards flow through financial information systems.
- Scope: aimed at delivering a standard trade flagging solution.
- Neutral Industry Group: Leading stakeholders in the market data value chain are active contributors to FIX MMT work (trading venues, reporting venues, data vendors, investment firms, standards organisation).



#### Mission Statement of FIX MMT

- FIX MMT has produced a MiFID II conformant trade flagging model.
- MMT already has broad acceptance among trading venues and data vendors (15 trading venues have already implemented MMT).
- FIX MMT engages in a constructive dialogue with regulator(s) and has obtained clarifications in order to make sure that the FIX MMT data model fulfills all trade flagging requirements for post-trade transparency purposes (RTS 1 and RTS 2).
- Cooperation with other FIX workstreams active in MiFID/MiFIR issues (the FIX Transparency Subgroup in particular).

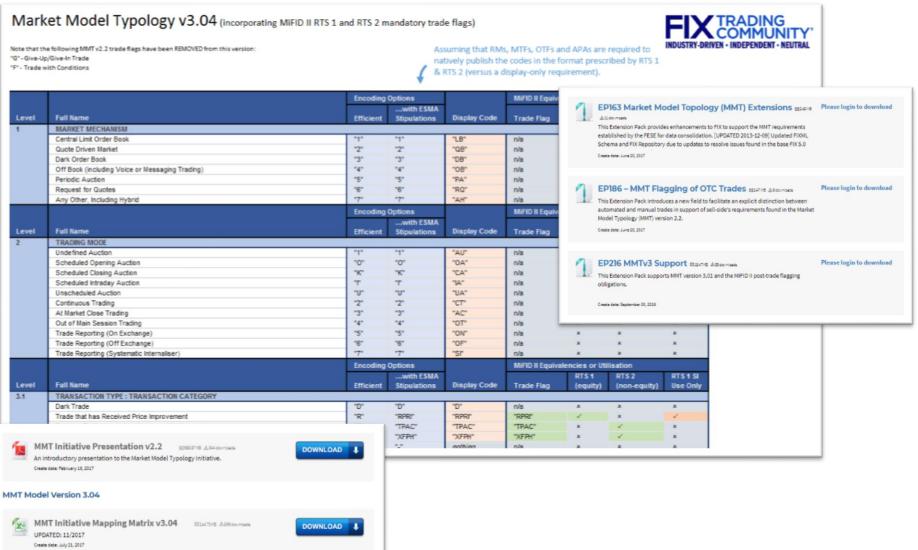
## FIX MMT rationale – improve post trade transparency



Source: Thomson Reuters









# **FIX messages**



Market Model Typology v3.04 via FIX Protocol, release identifier 5.0 SP3 (EP216)

FIX Protocol Encoding (Trade Capture Report)			FIX Protocol Encoding (Public Market Data)				
FIX Message	FIX Field (Tag)	FIX Value	FIX Message	FIX Field (Tag)	FIX Value		
FradeCaptureReport	VenueType (1430)	B = Central limit order book	MarketDataIncrementalRefresh	MDOriginType (1024)	0 = Book		
		Q = Quote driven market	- and -		3 = Quote driven market		
		D = Dark order book	MarketDataSnapshutFullRefresh		4 = Dark order book		
		O = Off-market			1 = Off-book		
		A = Auction driven market			5 = Auction driven market		
		N = Quote negotiation			6 = Quote negotation		
		H = Hybrid Market			8 = Hybrid market		
FIX Protocol Encodi	ing (Trade Capture Report)		FIX Protocol Encoding (Public M	Market Data)			
FIX Message	FIX Field (Tag)	FIX Value	FIX Message	FIX Field (Tag)	FIX Value		
	, ,,						
radeCaptureReport	TradingSessionSubID (625)	8 = Any auction	MarketDataIncrementalRefresh	TradingSessionSubID (625)	8 = Any auction		
		2 = Opening or opening auction	- and -		2 = Opening or opening auction		
		4 = Closing or closing auction	MarketDataSnapshutFullRefresh		4 = Closing or closing auction		
		6 = Intraday auction			6 = Intraday auction		
		9 = Unscheduled intraday auction			9 = Unscheduled intraday auction		
		3 = (Continuous) trading			3 = (Continuous) trading		
		5 = Post-trading			5 = Post-trading		
		10 = Out of main session trading			10 = Out of main session trading		
	MatchType (574)	3 = Confirmed trade report (reporting from recognized markets)		MatchType (574)	3 = Confirmed trade report (reporting from recognized marks		
		1 = One Party Trade Report (privately negotiated trade)		, , ,	1 = One Party Trade Report (privately negotiated trade)		
		9 = Systematic Internalizer			9 = Systematic Internalizer		
FIX Protocol Encodi	ing (Trade Capture Report)		FIX Protocol Encoding (Public Market Data)				
FIX Message	FIX Field (Tag)	FIX Value	FIX Message	FIX Field (Tag)	FIX Value		
TIX Message	TIX Field (Tag)	TIA Value	TIX Message	TIX Field (Tag)	TIA Value		
adeCaptureReport	TrdType (828)	62 = Dark trade	MarketDataIncrementalRefresh	TrdType (828)	62 = Dark trade		
	TradePriceCondition (1839)	14 = Price improvement	- and -	TradePriceCondition (1839)	14 = Price improvement		
	TrdType (828)	65 = Package trade	MarketDataSnapshutFullRefresh	TrdType (828)	65 = Package trade		
		2 = Exchange for physical			2 = Exchange for physical		
		any other value, or field not present, means neither Dark Trade,			any other value, or field not present, means neither Dark Ti		
		Package Trade nor Exchange for Physicals Trade			Package Trade nor Exchange for Physicals Trade		
FIX Protocol Encodi	ing (Trade Capture Report)		FIX Protocol Encoding (Public Market Data)				
FIV Management	FIV Field (Tee)	FIV Value	FIV Manager	FIX Field (Tex)	FIV Value		
FIX Message	FIX Field (Tag)	FIX Value	FIX Message	FIX Field (Tag)	FIX Value		

### RTS 1 (equities) → MMT v3.04

	Code	Meaning		Efficient Code	Code	Accommodation in the MMT Hierarchy
	BENC	Benchmark transactions flag	1	В	BENC	3.5 Transaction Type: Benchmark or Reference Price Indicator
	ACTX	Agency cross transactions flag		Х	ACTX	3.3 Transaction Type: Agency Cross Trade Indicator
3 1 Trade Flags	NPFT	Non-price forming transactions flag		Т	NPFT	3.8 Transaction Type: Ordinary/ Standard Trades or Trades Outside Price Formation/Discovery Process
	TNCP	Transactions not contributing to the price discovery process for the purposes of Article 23 of Regulation (EU) No 600/2014 flag		J	TNCP	3.8 Transaction Type: Ordinary/ Standard Trades or Trades Outside Price Formation/Discovery Process
	SDIV	Special dividend transaction flag		E	SDIV	3.6 Transaction Type: Special Dividend Indicator
	LRGS	Post-trade large in scale transaction flag		2	LRGS	4.1 Publication Mode / Post-Trade Deferral: Reason
	RFPT	Reference price transaction flag		S	RFPT	3.5 Transaction Type: Benchmark or Reference Price Indicator
	NLIQ	Negotiated transaction in liquid financial instruments flag		1	NLIQ	3.2 Transaction Type: Negotiation Indicator or Pre-Trade Transparency Waiver
	OILQ	Negotiated transaction in illiquid financial instruments flag		2	OILQ	3.2 Transaction Type: Negotiation Indicator or Pre-Trade Transparency Waiver
	PRIC	Negotiated transaction subject to conditions other than the current market price flag		3	PRIC	3.2 Transaction Type: Negotiation Indicator or Pre-Trade Transparency Waiver
	ALGO	Algorithmic transaction flag		н	ALGO	3.9 Transaction Type: Algorithmic Indicator
	SIZE	Transaction above the standard market size flag		4	SIZE	4.1 Publication Mode / Post-Trade Deferral: Reason
	ILQD	Illiquid instrument transaction flag		3	ILQD	4.1 Publication Mode / Post-Trade Deferral: Reason
<b>4</b>	RPRI	Transactions which have received price improvement flag		R	RPRI	3.1 Transaction Type: Transaction Category
ESMA RTS	CANC	Cancellation flag		С	CANC	3.4 Transaction Type: Modification Indicator
	AMND	Amendment flag	/	Α	AMND	3.4 Transaction Type: Modification Indicator
Щ	DUPL	Duplicative trade reports flag	/	1	DUPL	5 Duplicative Indicator



# Codes Type **Transaction** MMT Transaction (other codes also exist)



### MMT v3.04 hierarchical model (relative to MMT v2.2)

- Market Mechanism (extended or amended)
- 2. Trading Mode
- 3. Transaction Type: *(extended or amended)* 
  - Transaction Category (extended or amended)
  - 2. Negotiation Indicator (extended or amended)
  - 3. Agency Cross Indicator
  - 4. Modification Indicator
  - 5. Benchmark or Reference Price Indicator *(extended or amended)*
  - 6. Special Dividend Indicator
  - Off Book Automated Indicator
  - 8. Contribution to Price Formation or the Price Discovery Process (new)
  - 9. Algorithmic Indicator (new)
- 4. Publication Mode / Post-Trade Deferral (extended or amended)
  - Publication Mode / Post-Trade Deferral : Reason (extended or amended)
  - 2. Post-Trade Deferral or Enrichment Type (new)
- 5. Duplicative Indicator (new)





```
BME / BME Data Feed 3.0 /MMT v3
  ESMA stipulation (Efficient encoding
  pending to be populated)
 18.12.2017
 Boerse Berlin / MMT v3
4.12.2017
 Boerse München / MMT v3
 Deutsche Börse incl. EUREX/ CEF Core
 13.0 / MMT v3 / Efficient encoding
4.12.2017
  EURONEXT / Optiq MDG / MMT v3
  Efficient Encoding with ESMA
 stipulation
 25.11.2017
Irish Stock Exchange / MMT v3
4.12.2017
NASDAQ/NLS / MMT v3 / Efficient encoding
23.10.2017
 SIX Swiss Exchange /MDDX / MMT v3
 Efficient encoding
23.10.2017
  Vienna SE/ADH Feed 4.0/MMT v3,
  (Efficient encoding pending to be
  populated)
 4.12.2017
```

```
AQUIS/Binary MMT Feed/ Efficient encoding
25.11.2017

CBOE Equity Europe /PITCH / MMT v3
/ Efficient encoding
27.10.2017
```

\*This list is not comprehensive





On-book opening trade:

```
0: 54 52 00 64 00 00 03 0a 00 00 05 00 00 01 02 TR.d.....
                                                                      MessageName = Trade Type = TR
10: 00 05 5c 6d ba c2 37 c6 43 48 30 30 30 35 37 39 ..\m..7.CH000579
                                                                      Version = 100
20: 35 36 36 38 43 48 46 58 53 57 58 00 05 5c 6d ba 5668CHFXSWX..\m.
                                                                      Subtopic = PostTrade, Auction Topic=768
30: c1 b1 8f 30 30 30 33 31 44 36 55 48 31 50 30 30 ...00031D6UH1P00
                                                                      Package = 5
40: 30 31 54 00 05 5c 6d ba c1 b1 8f 58 53 57 58 00 01T..\m...XSWX.
                                                                      Flags = Delta, Single
50: 00 00 00 00 0e 09 c0 4d 00 00 02 66 00 00 00 00 ......M...f....
                                                                      SendTime = 20171026-07:00:38.034374
60: 00 00 00 00 00 20 00 31 4f 2d 2d 2d 2d 2d 2d 2d ..... .10------
                                                                      Isin = CH0005795668
70: 50 48 2d 2d 2d
                                                                      Currency = CHF
                                                                      Exchange = XSWX
                                                                      ExecutionTime = 20171026-
                                                                      07:00:38.000015
                                                                      TradeId = 00031D6UH1P0001T
                                                                      PublishTime = 20171026-07:00:38.000015
                                                                      PublicationVenue = XSWX
                                                                      Price = 0.920000
                                                                      PriceNotation = M
                                                                      Size = 614
                                                                      NotionalAmount = 0.000000
                                                                      NostroCross = 0
                                                                      TradeToBeCleared =
                                                                      SpecialPrice = 0
                                                                      MMT flags = 10-----PH---
                                                                      MarketMechanism = 1 LB
                                                                      TradingMode = 0 0A
                                                                      TransactionCategory = -
                                                                      NegotiationIndicatorOrWaiver = -
                                                                      AgencyCrossTradeIndicator = -
                                                                      ModificationIndicator = -
                                                                      BenchmarkOrReferencePriceIndicator = -
                                                                      SpecialDividendIndicator = -
                                                                      OffBookAutomatedIndicator = -
                                                                      OrdinaryOrOutsidePriceFormation = P P
                                                                      AlgorithmicIndicator = H ALGO
                                                                      PublicationMode = -
                                                                      PostTradeDeferralType = -
                                                                      DuplicativeIndicator = -
```

Source: SIX Swiss Exchange















BOURSE_CODE	ISIN	VALOREN	ISSUER	TPCURR	REPTTPRI	REPTRADE	REPTBATE	TRTIME	REPTTIMEMICROSEC	REPTRADEMMT
SWX	US0231351067	645156	AMAZON.COM RG	CHF	1430	1430	TRA	9:04:21	908154	20P
SWX	FI0009000681	472672	NOKIA RG	CHF	5.562	5.562	TRA	9:02:57	251950	20P
SWX	LU0838782315	20028815	XTR DAX IN U 1D	CHF	126.08	126.08	TRA	9:55:20	248608	22PH
SWX	CH0200252812	20025281	1.125 AUSNET 19	CHF	101.69	101.69	TRA	9:33:29	877116	22PH
SWX	CH0197841551	19784155	4 EDP FINANCE 18	CHF	103.15	103.15	TRA	10:18:58	392087	22PH
SWX	CH0194958986	19495898	1.375 SVENSKA 22	CHF	106.25	106.25	TRA	10:22:02	463622	22PH
SWX	CH0194836364	19483636	SCOR OPEN	CHF	101.35	101.35	TRA	9:36:20	945431	22PH
SWX	CH0194695190	19469519	SWISS LIFE -S FRN	CHF	102.4	102.4	TRA	10:08:56	771250	22PH
SWX	IE00888DZ566	19328353	ISHS S&P 500 CHF-AC	CHF	48.62	48.62	TRA	9:37:24	514382	22PH
SWX	IE0088BVCK12	19328350	ISHS WORLD CHF-ACC	CHF	44.79	44.79	TRA	9:11:13	921785	22PH
SWX	LU0641007421	19204552	XTR2 GI-LBD 4DHD	CHF	107.32	107.32	TRA	10:40:23	55060	22PH
SWX	CH0187695553	18769555	2 LGT BANK 19	CHF	103.39	103.39	TRA	9:52:49	457909	22PH
SWX	IE00B3XXRP09	18575508	VAN S&P 500 ETF USD	CHF	49.355	49.355	TRA	9:48:35	365637	22PH
SWX	CH0184305016	18430501	SBIDSPF1-5-CHF ADIS	CHF	26.73	26.73	TRA	10:00:20	298157	22PH
SWX	IE0086TLBW47	18425202	ISHS JPM EM BD USD	CHF	94.36	94.36	TRA	9:39:21	462216	22PH
SWX	CH0183136057	18313605	ZKBPLATETF -AA CHF-	CHF	281.45	281.45	TRA	10:54:39	743508	22PH
SWX	CH0183136024	18313602	ZKBSILVERETF-AAHCHF	CHF	40.445	40.445	TRA	10:40:29	720312	22PH
SWX	IE0087452L46	14969108	SPDR UK ALL GBP-ACC	CHF	63.44	63.44	TRA	10:47:33	575424	22PH
SWX	CH0146698425	14669842	1.25 EIB 19	CHF	102.95	102.95	TRA	10:28:41	158033	22PH
SWX	IE0086R52036	13937387	ISHS GLD PRD USD-AC	CHF	8.486	8.486	TRA	10:48:13	323796	22PH
SWX	CH0139101601	13910160	ZKB GOLDETF-AAH CHF	CHF	368.3	368.3	TRA	10:46:50	77625	22PH
SWX	CH0139101593	13910159	ZKB GOLD ETF-AA CHF	CHF	380.2	380.2	TRA	10:25:30	82817	22PH
SWX	IE0084613386	12931546	SSGA SPDR BL BD USD	CHF	72.43	72.43	TRA	10:47:30	464005	22PH
SWX	NL0009739416	12871311	POSTNL BR	CHF	3.767	3.767	TRA	9:02:57	243776	22PH
SWX	CH0122526608	12252660	2.625 ENAG 23	CHF	104	104	TRA	9:44:35	385007	22PH
SWX	CH0120743346	12074334	2 HSBC SFH 19	CHF	102.91	102.91	TRA	9:30:52	92445	22PH
SWX	CH0118923918	11892391	UBSETF SBID715CHFAD	CHF	146.94	146.94	TRA	9:45:22	474127	22PH
SWX	CH0118923876	11892387	UBSETF SBID13CHF AD	CHF	82.9	82.9	TRA	9:58:55	656608	22PH
SWX	DK0060252690	11784376	PANDORA RG	CHF	95.66	95.66	TRA	9:04:28	274810	22PH
SWX	CH0116015352	11601535	CMCIOILSFCHADIS	CHF	27.285	27.285	TRA	10:10:51	951472	22PH
SWX	CH0116014934	11601493	UBSETFPLTN-USD ADIS	CHF	89.23	89.23	TRA	9:45:37	142768	22PH
SWX	FR0010869438	11202645	LY SMI D2I ETF A	CHF	9.428	9.428	TRA	10:29:51	218117	22PH
SWX	FR0010871145	11145933	AM SWITZ UC ETF CHF	CHF	288.85	288.85	TRA	9:12:56	22781	22PH
SWX	LU0488317701	11058258	COMS NY A GOLD ID	CHF	16.25	16.25	TRA	9:56:22	323735	22PH
SWX	LU0480132876	10920548	UBSETF MSCIEM USDAD	CHF	110.6	110.6	TRA	9:31:25	308734	22PH
SWX	LU0411075376	10804968	XTR LEVDAX DS 1CC	CHF	133.2	133.2	TRA	9:36:36	608267	22PH
SWX	IE0084L5ZG21	10608422	ISH EUR CO EX-F EUR	CHF	134.08	134.08	TRA	9:28:15	554881	22PH
SWX	CH0106027128	10602712	UBSETF GLD HCHF A D	CHF	116.56	116.56	TRA	9:54:10	909437	22PH
SWX	CH0104136285	10413628	ISHSGOCHFHETFCH -A-	CHF	113.5	113.5	TRA	10:54:38	169723	22PH
SWX	LU0392496690	4878674	COMS ATX ID	CHF	47.01	47.01	TRA	10:20:09	651976	22PH
SWX	CH0048265513	4826551	TRANSOCEAN RG	CHF	9.05	9.05	TRA	9:34:39	782141	22PH



### **Thomson Reuters – Elektron and Eikon**

12-----PH---

0.15 0.06

780910

231.9605

4.14085E+17

181140.2951 320465.2

788756 181140295.1

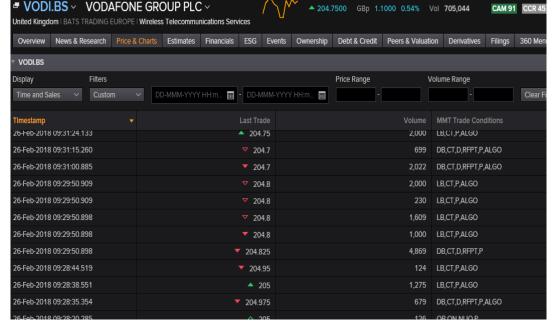
511

# MMT Flag details ESMA Flag details

VODI.B Market	2017-12-		UPDAT	
S Price	19T11:32:33.386500606Z	0 Raw	E TRADE	
		FID	11	NETCHNG_1
		FID	56	PCTCHNG
		FID	14	PRCTCK_1
		FID	32	ACVOL_1
		FID	77	NUM_MOVES
		FID	3404	VWAP
		FID	3428	ORDER_SIDE
		FID	3426	ORDER_ID
		FID	100	TURNOVER
		FID	1379	VOL_X_PRC1
		FID	975	ACT_FLAG1
		FID	4465	TRD_IND_1
		FID	8582	MMT_CLASS
		FID	1021	SEQNUM
		FID	32741	TRNOVR_UNS
		FID	32743	ACVOL_UNS
		FID	6	TRDPRC_1
		FID	3900	TRADE_ID
		FID	178	TRDVOL_1
		FID	3854	SALTIM_MS

Efficient MMT string in Elektron Realtime feed using MMT\_CLASS field (available in desktop too). We use "?" in the string where the value is not known from the venue.

MMT display code in Eikon Desktop. You can also view the MMT efficient string within the desktop.









- Enlarge FIX MMT Technical Committee; Engage more representatives from Sell-side, APA and non-equity trading venue operators.
- Support broader roll-out of MMT and monitor MMT adoption
- Support FIX Transparency Group to address trade reporting use cases and deliver trade flagging best practice recommendations
- Improve public FAQ documentation



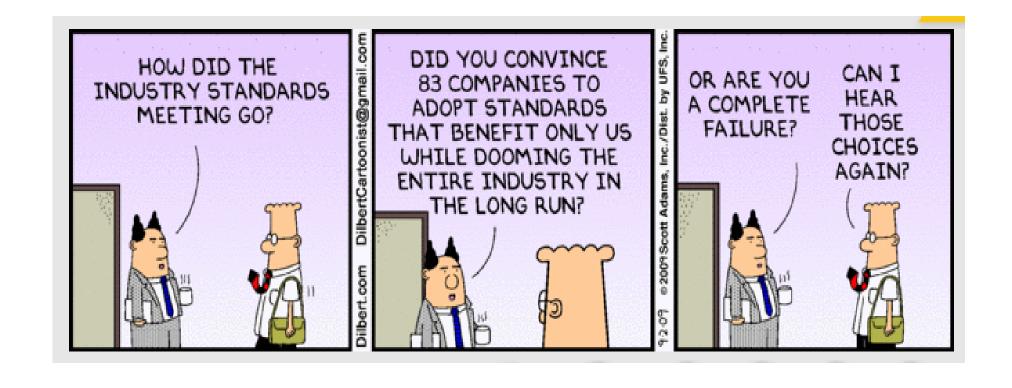
### What you should remember about FIX MMT

- FIX MMT delivers an operational solution for fulfilling trade flagging regulatory requirements raised by ESMA
- FIX MMT is an off-the-shelf industry solution and can be freely used without any licensing constraint.
- The FIX MMT Technical Committee is a collaborative initiative; additional expertise is always welcome.
- Please submit your questions/comments to:













### FIX Application Layer Extensions (https://www.fixtrading.org/extension-packs/)

- A total of 15 Extension Packs (EP226 EP240) of different sizes and from various areas approved and published for implementation, 9 of them for MiFID II (not repeated here):
  - EP226 Quote Negotiation (GTC/Bloomberg)
     Addition of PaymentGrp to ExecutionReport, new enumeration values for QuoteQualifier(695).
  - EP227 Trade Reporting Extensions (GTC/CME)
     Extension of CollateralAmountGrp and availability per trade side. One party auto-match for related counterparties. Distinction between Trade at Market and Basis Trade Index Close.
  - EP230 Price Qualifiers (Fidelity Capital Markets)
    Addition of PriceQualifierGrp to support fixed income pricing (e.g. taxes, the effect of amortization or a floating rate offset).
  - EP234 Allocations of Multileg Order or Trade Extension (CME)
     New attribute to the various allocation repeating components allowing for identification of the leg of a multileg order or trade.
  - EP239 AllocationInstructionAlertRequest Proposal (CME)
     New FIX message to support the ability to request to receive AllocationInstructionAlert messages
  - EP240 Average Pricing and Markup (CME)
     Extensions of the support for trade submissions and give-ups by clients of a Central Counterparty (CCP) for average pricing.





# FIX Technical Standards — https://www.fixtrading.org/standards/

- FIX offers a number of Technical Standards below the application layer for the encoding of messages and session protocols.
- FIX Generation 5 introduced the concept of Transport Independence, supporting a choice for the encoding and session protocol. A FIX Technical Standard has its own name and version number. Release Candidates represent work in progress leading up to an official new version.
- The following progress was made since early 2017:
  - Encoding FIX Using <u>JSON</u> Version 1.0 published end of December 2016 (public review in Q1 2017)
  - Simple Binary Encoding (SBE) Version 1.0 officially published as a FIX Technical Standard in March 2017
  - Release Candidate 2 of <u>FIX Orchestra</u> Version 1.0 published in May 2017
  - Release Candidate 1 of <u>FIX-over-TLS</u> (FIXS) Version 1.0 published in August 2017
  - Draft Standard of FIX-over-TLS (FIXS) Version 1.0 published in January 2018
  - Release Candidate 3 of <u>FIX Orchestra</u> Version 1.0 published in March 2018
  - Work continued on Release Candidate 4 for <u>FIX Performance Session Layer</u> (FIXP) Version 1.0





## New FIX Website – https://www.fixtrading.org/







**FIX AND MIFID** 

EVENTS

**MEMBERSHIP** 



NEWS



- FIX Global Technical Committee supported the design, launch and operation of the new website
- Main entry points for GTC content:
  - GUIDELINES: Technical guidelines (incl. Beginner's guide), FIX processes and templates
  - STANDARDS: FIX Application Layer, FIX Technical Standards, FIX Orchestra, FIX Repository, FIXimate, FIXwiki
  - BLOGS: GTC blog for announcements, commentaries etc.
  - FORUMS: FIX discussion forum, see next slide
- Community → Committees → Global Technical Committee
  - Closed group (new members welcome), GTC page not actively used so far





### New FIX Discussion Forum – https://forum.fixtrading.org/

Category

Topics

General Q&A

Topics that don't need a category, or don't fit into any other existing category.

- Significant effort made to convert entire FIX forum history from the old website (> 10,000 entries!)
  - Cleaned up content to remove duplicated content (quoting of initial request and previous responses)
- Usage of Discourse
  - Industry standard, open source software (<a href="https://www.discourse.org/">https://www.discourse.org/</a>), hosted and configured by FIX
  - Standard filters (e.g. new, latest, unread) as well as brute force search function
  - Single category (General Q&A) for all issues ("favorite" category on the old website)
  - Tags defined by GTC for easy filtering, e.g. "mifidii", "publicreview"
  - Used for public review of Proposals for Extensions and Technical Standards
  - Heavily used for clarifications in the context of MiFID II



# Time for Q&A





