

MDF Fields Reference

Reference Guide

17 September 2021

Regarding Limits

Defining sizes and limits on fields is a complicated task. From some data sources we get the limits, on other one only get to see a maximum message length and on yet some there is no limits stated at all. Also the Millistream Data Feed contain a number of calculated fields and determining the limits on these fields is hard guesses at best.

So if the limit/size numbers might look strange (or very large to be specific), it is because they reflect the largest possible size that we currently support for the field in question and has nothing to do with the sizes of the values currently being sent in the system. For example some exchanges have sizes on numbers with 20 digits of which 7 can be decimals while still only using a maximum of 2 decimals in reality.

Data Types

Type	Description
string	Free format string in UTF-8 encoding. The size field represents the maximum number of characters and not the number of bytes (a UTF-8 character can be encoded with up to four bytes).
time	Time represented in Universal Time Coordinated (UTC) as HH:MM:SS, HH:MM:SS.mmm or HH:MM:SS.nnnnnnnn (after 2018-01-01).
date	Date represented in Universal Time Coordinated (UTC) in one of the following formats: YYYY-MM-DD YYYY-MM YYYY YYYY-Qx (x is the quarter; 1-4) YYYY-Tx (x is the tertiary; 1-3) YYYY-Hx (x is the semi-annual; 1-2) YYYY-Wxx (x is the ISO-8601 week number; 1-53)
insref	Unsigned 64-bit integer. Used to uniquely identify a instrument in the Millistream universe.
list	A space separated list of instrument references (type: insref). The list can be prefixed with the following characters: <ul style="list-style-type: none"> • '+' - The supplied list of insrefs should be concatenated to the current value • '-' - The supplied list of insrefs should be removed from the current value • '=' - The supplied list is the current value, that is it should replace the current value. If the list lacks a prefix, it should be treated like it was prefixed with a '=' character.
tabular	A string of pipe () separated rows of space separated columns. I.e: "1 2 3 4 5 6" defines a set of two rows with three columns each. If a column contains a space, back-slash or pipe character then it's escaped with a back-slash (\). Absent columns are to be decoded as NULL values, I.e here column 2 from the previous example is NULL in the first row: "1 3 4 5 6".
number	Sequence of digits with optional decimal point and sign character. (ASCII characters '-', '0' - '9' and '.'). Trailing zeros after the decimal point are omitted. The size field is 'M,D' where 'M' is the total number of digits, of which 'D' digits may be after the decimal point.
bool	One character containing one of two values: <ul style="list-style-type: none"> • '1' - True/Yes • '0' - False/No Also if the field is not present in a message, it is to be treated as False/No.
uint	Unsigned integer. Used to create enumerations lists.
bitfield	Unsigned integer which forms a binary bit field. For example the value 3 indicates that the flags #1 and #2 is set while the value 4 indicates that only flag #3 is set. To make it easier we always specify the flag value (I.e "4" instead of "flag #3") in the description.

Message References

<i>MREF</i>	<i>Define</i>	<i>Description</i>
0	MDF_M_MESSAGESREFERENCE	Sent by the server on first connection of client or when the message templates have been changed.
1	MDF_M_LOGON	Sent by the client to the server to login to the system
2	MDF_M_LOGOFF	Sent by the client in order to log off from the system. Also sent by the server if the client is kicked out for some reason.
3	MDF_M_LOGONGREETING	Sent by the server to indicate a successful login by the client
4	MDF_M_NEWSHEADLINE	
5	MDF_M_QUOTE	Quote Last Sales
6	MDF_M_TRADE	
7	MDF_M_BIDLEVELINSERT	Order MBL
8	MDF_M_ASKLEVELINSERT	Order MBL
9	MDF_M_BIDLEVELDELETE	Order MBL
10	MDF_M_ASKLEVELDELETE	Order MBL
11	MDF_M_BIDLEVELUPDATE	Order MBL
12	MDF_M_ASKLEVELUPDATE	Order MBL
13	MDF_M_INSTRUMENTRESET	
14	MDF_M_ORDERBOOKFLUSH	Order MBL, Order MBO and QuoteBBO
15	MDF_M_BASICDATA	
16	MDF_M_PRICEHISTORY	
17	MDF_M_INSTRUMENTDELETE	
18	MDF_M_FIELDSREFERENCE	Currently not used
19	MDF_M_REQUEST	Sent by the client in order to subscribe to specific messages or insrefs.
20	MDF_M_REQUESTFINISHED	Sent by the server when a request have been processed in full or there was an error with the request.
21	MDF_M_INSREF	Sent by the client in order to request new insrefs and sent by the server as a reply to such a request with the newly created insrefs.
22	MDF_M_NEWSCONTENT	
23	MDF_M_CORPORATEACTION	
24	MDF_M_TRADESTATE	
25	MDF_M_FUNDAMENTALS	
26	MDF_M_PERFORMANCE	
27	MDF_M_KEYRATIOS	
28	MDF_M_ESTIMATES	
29	MDF_M_ESTIMATESHISTORY	
30	MDF_M_NETORDERIMBALANCE	
31	MDF_M_UNSUBSCRIBE	Sent by the client in order to unsubscribe to a specific message or insref(s)

32	MDF_M_L10N	
33	MDF_M_CI	
34	MDF_M_CIHISTORY	
35	MDF_M_PRIIP	PRIIP EPT
36	MDF_M_MIFID	MiFID EMT
37	MDF_M_MIFIDHISTORY	MiFID EMT History
38	MDF_M_MAPPINGS	Various Mappings
39	MDF_M_MBOADD	Order MBO
40	MDF_M_MBOUPDATE	Order MBO
41	MDF_M_MBODELETE	Order MBO
42	MDF_M_GREEKS	Greeks
43	MDF_M_QUOTEBO	Quote Best Bid and Offer

Field Definitions

Tag	Define	Type	Size	Description
381	MDF_F_ACCOUNTSPAYABLE	number	19,7	A balance sheet item: **TODO**
222	MDF_F_ACCOUNTSRECEIVABLE	number		A balance sheet item: Money owned by customers to another entity in exchange for goods or services that have been delivered or used, but not yet paid for. Also known as Credit Control.
622	MDF_F_ACTIVESHARE	number		Active Share is a measure of the percentage of stock holdings in a manager's portfolio that differs from the benchmark index.
208	MDF_F_ADDRESS	string	255	Postal Address
200	MDF_F_ADJUSTEDEBITA	number		Adjusted EBITA
190	MDF_F_ADJUSTEDEQUITY	number	16,8	Reported equity (excluding minority interests) less the (proposed) dividend.
103	MDF_F_ADJUSTMENTFACTOR	number	16,6	The adjustment factor for the instrument when adjusting historical values for the corporate action. Prices should be multiplied with the factor while quantities should be divided by the factor. If the adjustment is because of change of trading currency then the quantities should be left untouched while the turnovers and prices should be multiplied with the factor.
113	MDF_F_ANNOUNCEMENTDATE	date		The date on which the dividend where announced
386	MDF_F_ANNUALIZEDRETURN1Y	number	19,7	
387	MDF_F_ANNUALIZEDRETURN2Y	number	19,7	
302	MDF_F_ANNUALIZEDRETURN3Y	number	19,7	
388	MDF_F_ANNUALIZEDRETURN4Y	number	19,7	
311	MDF_F_ANNUALIZEDRETURN5Y	number	19,7	
312	MDF_F_ANNUALIZEDRETURN10Y	number	19,7	
349	MDF_F_ASIAANTAILSTART	date		Start date of the Asian Tail
350	MDF_F_ASIAANTAILEND	date		End date of the Asian Tail
63	MDF_F_ASKCOUNTERPART	string		Identifies the counter-parties interested in selling the instrument on the current level in the order book. The counter-parties are sorted from left to right in priority order. The list of counter-parties will usually be only the top 4 and not all the counter-parties.
6	MDF_F_ASKPRICE	number	19,7	The best ask price on current level. For quotes, this is the currently best ask price for all levels.
20	MDF_F_ASKQUANTITY	number	20,8	The ask quantity on current level.
75	MDF_F_ASKYIELD	number		The best ask yield on current level. For quotes, this is the currently best ask yield for all levels.
163	MDF_F_ATH	number	19,7	The adjusted all-time-high price

183	MDF_F_ATHDATE	date		Date for the ATH price
278	MDF_F_ATHYIELD	number	19,7	The adjusted all-time-high yield
280	MDF_F_ATHYIELDDATE	date		Date for the ATH yield
164	MDF_F_ATL	number	19,7	The adjusted all-time-low price
184	MDF_F_ATLDATE	date		Date for the ATL price
279	MDF_F_ATLYIELD	number	19,7	The adjusted all-time-low yield
281	MDF_F_ATLYIELDDATE	date		Date for the ATL yield
326	MDF_F_AVERAGE	number	19,7	The calculated arithmetic mean
300	MDF_F_BARRIERPRICE	number	19,7	
31	MDF_F_BASECURRENCY	string	4	The first currency in a currency pair
245	MDF_F_BASERATIO	number		The base currency ratio, a “1:100” currency pair is represented with the value “100”.
62	MDF_F_BIDCOUNTERPART	string		Identifies the counter-parties interested in buying the instrument on the current level in the order book. The counter-parties are sorted from right to left in priority order. The list of counter-parties will usually be only the top 4 and not all the counter-parties.
5	MDF_F_BIDPRICE	number	19,7	The best bid price on current level. For quotes, this is the currently best bid price for all levels.
19	MDF_F_BIDQUANTITY	number	20,8	The bid quantity on current level
74	MDF_F_BIDYIELD	number		The best bid yield on current level. For quotes, this is the currently best bid yield for all levels.
206	MDF_F_BIRTHYEARCEO	date		Birth year of the CEO
207	MDF_F_BIRTHYEARCHAIRMAN	date		Birth year of the Chairman
24	MDF_F_BOARDLOT	number	10,0	The minimum lot size for round lot trading
375	MDF_F_BROKERS	tabular		Specifies the brokers for a marketplace. Each row contains these columns: <ul style="list-style-type: none"> ● symbol (the code used in trades) ● full name
342	MDF_F_CAP	number	19,7	The cap level for Discount Certificates
203	MDF_F_CAPITALPRC	number	5,2	The percentage of the equity's capital that is owned by the major holder
238	MDF_F_CASHFLOWAWC	number		A cash flow item: Operating Cash Flow after changes in Working Capital
237	MDF_F_CASHFLOWBWC	number		A cash flow item: Free Cash Flow
240	MDF_F_CASHFLOWFA	number		A cash flow item: Cash Flow from Financial Activities. Accounts for external activities such as issuing cash dividends, adding or changing loans, or issuing and selling more stock.
239	MDF_F_CASHFLOWIA	number		A cash flow item: Cash Flow from Investing Activities. The aggregate change in a company's cash position resulting from any gains (or losses) from investments in the financial markets and operating subsidiaries, and changes resulting from

			amounts spent on investments in capital assets such as plant and equipment.
241	MDF_F_CASHFLOWTOTAL	number	A cash flow item: Total Cash Flow
102	MDF_F_CASUBTYPE	uint	<p><i>Corporate Action Type = 0</i></p> <ul style="list-style-type: none"> ● 0 – Annual Dividend ● 1 – Bonus Dividend ● 2 – Monthly Dividend ● 3 – Quarterly Dividend ● 4 – Biannual Dividend ● 5 – Triannual Dividend <p><i>Corporate Action Type = 2</i></p> <ul style="list-style-type: none"> ● 1 – Rights Issue Cancelled <p><i>Corporate Action Type = 15</i></p> <ul style="list-style-type: none"> ● 0 – General Meeting ● 1 – Extraordinary General Meeting ● 2 – Capital Market Day ● 3 – Year End Report ● 4 – Interim Report ● 5 – Analyst Meeting ● 6 – Delisting ● 7 – Company Presentation ● 8 – Roadshow ● 9 – Company Update / Interim Update <p><i>Corporate Action Type = 16</i></p> <ul style="list-style-type: none"> ● 0 – Buying ● 1 – Selling ● 2 – Current Position <p><i>Corporate Action Type = 18</i></p> <ul style="list-style-type: none"> ● 0 – Closed ● 1 – Early Closing ● 2 – Extra Open (in case an exchange is forced open an a normally closed day) <p><i>Corporate Action Type = 19</i></p> <ul style="list-style-type: none"> ● 0 – Direct Holder ● 1 – Institutional Holder ● 2 – Mutual Fund Holder
99	MDF_F_CATYPE	uint	<p>Defines the corporate action. Valid values:</p> <ul style="list-style-type: none"> ● 0 = Dividend ● 1 = Split ● 2 = Rights Issue ● 3 = Bonus Issue ● 4 = Directed Issue ● 5 = Share Redemption ● 6 = Spinoff / De-Merger ● 7 = Stock Dividend ● 8 = Stock Dividend of Other Shares ● 9 = Unknown Event ● 10 = Initial Public Offer (IPO) ● 11 = Currency Conversion ● 12 = Change of Nominal Value

				<ul style="list-style-type: none"> ● 13 = Change in Underlyings ● 14 = Change of Basic Data ● 15 = Calendar ● 16 = Insider Trading ● 17 = Combined Split and Redemption ● 18 = Exchange Closed ● 19 = Major Holders ● 20 = Share Loans ● 21 = Internal Use Only
225	MDF_F_CCE	number		A balance sheet item: The value of a company's assets that are cash or can be converted to cash immediately
169	MDF_F_CEO	string		Chief Executive Officer
313	MDF_F_CEOADMISSIONDATE	date		The CEO Admission date
366	MDF_F_CFI	string	6	The Classification of Financial Instruments code as defined by ISO 10962
168	MDF_F_CHAIRMAN	string		Chairman of the Board
314	MDF_F_CHAIRMANADMISSIONDATE	date		The Chairman admission date
443	MDF_F_CIK	number	10,0	A Central Index Key or CIK number is a number given to an individual or company by the United States Securities and Exchange Commission. The number is used to identify the filings of a company, person, or entity in several online databases, including EDGAR.
210	MDF_F_CITY	string		City
408	MDF_F_CISUBTYPE	uint		<p><i>Company Information Type = 0</i></p> <ul style="list-style-type: none"> ● 0 – Current Insiders / Positions ● 2 – Current Holdings ● 3 – Transactions <p><i>Company Information Type = 1</i></p> <ul style="list-style-type: none"> ● 0 – Lottery Dates ● 1 – Coupon Dates <p><i>Company Information Type = 2</i></p> <ul style="list-style-type: none"> ● 0 – Short Selling <p><i>Company Information Type = 3</i></p> <ul style="list-style-type: none"> ● 0 – Bond Cash Flow ● 1 – Debtor Composition ● 2 – Extra Redemption ● 3 – Notification Drawing ● 4 – Notification Drawing Percent
407	MDF_F_CITYTYPE	uint		Company Information Type. Valid values: <ul style="list-style-type: none"> ● 0 – Insider Trading ● 1 – Various Dates ● 2 – Short Selling ● 3 – Genium GCF Bond Data
42	MDF_F_CLOSEASKPRICE	number	19,7	The last ask price when the market closed
81	MDF_F_CLOSEASKYIELD	number		The last ask yield when the market closed

41	MDF_F_CLOSEBIDPRICE	number	19,7	The last bid price when the market closed
354	MDF_F_CLOSEBIDPRICE1D	number	19,7	The adjusted closing price to be used for calculating the net change for one day.
356	MDF_F_CLOSEBIDPRICE1W	number	19,7	The adjusted closing price to be used for calculating the net change for one week.
80	MDF_F_CLOSEBIDYIELD	number	19,7	The last bid yield when the market closed
355	MDF_F_CLOSEBIDYIELD1D	number	19,7	The adjusted closing yield to be used for calculating the net change for one day.
357	MDF_F_CLOSEBIDYIELD1W	number	19,7	The adjusted closing yield to be used for calculating the net change for one week.
373	MDF_F_CLOSEDARKQUANTITY	number	20,0	The cumulative number of traded shares or contracts of shares for Dark Pool trades when the market closed.
374	MDF_F_CLOSEDARKTURNOVER	number	38,7	The cumulative amount traded (e.g. price * quantity), expressed in units of currency of trades for Dark Pool trades when the market closed.
43	MDF_F_CLOSEDAYHIGHPRICE	number	20,8	The highest paid price when the market closed
83	MDF_F_CLOSEDAYHIGHYIELD	number	19,7	The highest paid yield when the market closed
44	MDF_F_CLOSEDAYLOWPRICE	number	20,8	The lowest paid price when the market closed
84	MDF_F_CLOSEDAYLOWYIELD	number	19,7	The lowest paid yield when the market closed
58	MDF_F_CLOSEINTERNALQUANTITY	number	20,0	The cumulative number of traded shares or contract of shares where buyer and seller is the same, when the market closed.
59	MDF_F_CLOSEINTERNALTURNOVER	number	38,7	The cumulative amount traded (e.g. price * quantity), expressed in units of currency of trades where buyer and seller is the same, when the market closed.
94	MDF_F_CLOSENAV	number	19,4	The Net Asset Value when the market closed
47	MDF_F_CLOSENUMTRADES	number	20,0	The number of trades when the market closed
371	MDF_F_CLOSEOFFBOOKQUANTITY	number	20,0	The cumulative number of traded shares or contracts of shares for Off-Book trades when the market closed.
372	MDF_F_CLOSEOFFBOOKTURNOVER	number	38,7	The cumulative amount traded (e.g. price * quantity), expressed in units of currency of trades for Off-Book trades when the market closed.
40	MDF_F_CLOSEPRICE	number	20,8	The official close price. Can be different from the actual last paid price.
148	MDF_F_CLOSEPRICE1D	number	20,8	The adjusted closing price to be used for calculating the net change for one day.
157	MDF_F_CLOSEPRICE10Y	number	20,8	The adjusted closing price to be used for calculating the net change for ten years.
150	MDF_F_CLOSEPRICE1M	number	20,8	The adjusted closing price to be used for calculating the net change for one month.
149	MDF_F_CLOSEPRICE1W	number	20,8	The adjusted closing price to be used for calculating the net change for one week.

334	MDF_F_CLOSEPRICE2W	number	20,8	The adjusted closing price to be used for calculating the net change for two weeks.
154	MDF_F_CLOSEPRICE1Y	number	20,8	The adjusted closing price to be used for calculating the net change for one year.
155	MDF_F_CLOSEPRICE2Y	number	20,8	The adjusted closing price to be used for calculating the net change for two years.
151	MDF_F_CLOSEPRICE3M	number	20,8	The adjusted closing price to be used for calculating the net change for three months.
249	MDF_F_CLOSEPRICE3Y	number	20,8	The adjusted closing price to be used for calculating the net change for three years.
156	MDF_F_CLOSEPRICE5Y	number	20,8	The adjusted closing price to be used for calculating the net change for five years.
152	MDF_F_CLOSEPRICE6M	number	20,8	The adjusted closing price to be used for calculating the net change for six months.
153	MDF_F_CLOSEPRICE9M	number	20,8	The adjusted closing price to be used for calculating the net change for nine months.
250	MDF_F_CLOSEPRICELD	number	20,8	The adjusted closing price to be used for calculating the net change since listing date.
159	MDF_F_CLOSEPRICEMTD	number	20,8	The adjusted closing price to be used for calculating the net change for month-to-date.
162	MDF_F_CLOSEPRICEPYTD	number	20,8	The adjusted closing price to be used for calculating the net change for previous year-to-date.
160	MDF_F_CLOSEPRICEQTD	number	20,8	The adjusted closing price to be used for calculating the net change for quarter-to-date.
431	MDF_F_CLOSEPRICETYPE	uint		Specifies if the value from MDF_F_CLOSEPRICE is from an actual trade or if it's a theoretical price. Valid values: <ul style="list-style-type: none"> ● 0 – Last paid price during the day. ● 1 – Theoretical price set from Market Maker orders ● 2 – Theoretical price set from the Mid Price ● 3 – Theoretical price, unknown origin
158	MDF_F_CLOSEPRICEWTD	number	20,8	The adjusted closing price to be used for calculating the net change for week-to-date.
161	MDF_F_CLOSEPRICEYTD	number	20,8	The adjusted closing price to be used for calculating the net change for year-to-date.
45	MDF_F_CLOSEQUANTITY	number	20,8	The cumulative number of traded shares or contract of shares when the market closed.
96	MDF_F_CLOSETIS	number	19,7	Taxable Income per Share for the mutual fund when the market closed.
430	MDF_F_CLOSETRADEPRICE	number	20,8	The last paid price (from an actual trade) when the market closes.
46	MDF_F_CLOSETURNOVER	number	38,8	The cumulative amount traded (e.g. price * quantity), expressed in units of currency of trades, when the market closed

124	MDF_F_CLOSEVWAP	number	19,7	Volume Weighted Average Price when the market closed.
82	MDF_F_CLOSEYIELD	number		Last paid yield when the market closed
261	MDF_F_CLOSEYIELD1D	number	19,7	The adjusted closing yield to be used for calculating the net change for one day.
271	MDF_F_CLOSEYIELD10Y	number	19,7	The adjusted closing yield to be used for calculating the net change for ten years.
263	MDF_F_CLOSEYIELD1M	number	19,7	The adjusted closing yield to be used for calculating the net change for one month.
262	MDF_F_CLOSEYIELD1W	number	19,7	The adjusted closing yield to be used for calculating the net change for one week.
335	MDF_F_CLOSEYIELD2W	number	19,7	The adjusted closing yield to be used for calculating the net change for two weeks.
267	MDF_F_CLOSEYIELD1Y	number	19,7	The adjusted closing yield to be used for calculating the net change for one year.
268	MDF_F_CLOSEYIELD2Y	number	19,7	The adjusted closing yield to be used for calculating the net change for two years.
264	MDF_F_CLOSEYIELD3M	number	19,7	The adjusted closing yield to be used for calculating the net change for three months.
269	MDF_F_CLOSEYIELD3Y	number	19,7	The adjusted closing yield to be used for calculating the net change for three years.
270	MDF_F_CLOSEYIELD5Y	number	19,7	The adjusted closing yield to be used for calculating the net change for five years.
265	MDF_F_CLOSEYIELD6M	number	19,7	The adjusted closing yield to be used for calculating the net change for six months.
266	MDF_F_CLOSEYIELD9M	number	19,7	The adjusted closing yield to be used for calculating the net change for nine months.
277	MDF_F_CLOSEYIELDLTD	number	19,7	The adjusted closing yield to be used for calculating the net change since listing date.
273	MDF_F_CLOSEYIELDMTD	number	19,7	The adjusted closing yield to be used for calculating the net change for month-to-date.
276	MDF_F_CLOSEYIELDPYTD	number	19,7	The adjusted closing yield to be used for calculating the net change for previous year-to-date.
274	MDF_F_CLOSEYIELDQTD	number	19,7	The adjusted closing yield to be used for calculating the net change for quarter-to-date.
272	MDF_F_CLOSEYIELDWTD	number	19,7	The adjusted closing yield to be used for calculating the net change for week-to-date.
275	MDF_F_CLOSEYIELDYTD	number	19,7	The adjusted closing yield to be used for calculating the net change for year-to-date.
64	MDF_F_COMPANY	insref		Link to the company
338	MDF_F_CONVERSIONPRICE	number	19,7	The price per share at which a convertible security, such as corporate bonds or preferred shares, can be converted into common stock.
336	MDF_F_CONVERTFROMDATE	date		The first date at which a convertible security can be converted into common stock.

337	MDF_F_CONVERTTODATE	date		The last date at which a convertible security can be converted into common stock.
197	MDF_F_COUNT	number	10	Used to indicate a number of items
92	MDF_F_COUNTRY	string	2	Specifies country according to ISO 3166-1 alpha 2
299	MDF_F_COUPONDATE	date		
694	MDF_F_COUPONFREQUENCY	number	1	Specifies the number of coupons per year.
298	MDF_F_COUPONRATE	number	19,7	
297	MDF_F_CONSTITUENTS	tabular		Specifies the constituents for a index or fund. Each row contains these columns: <ul style="list-style-type: none"> ● insref of the constituent ● The weight in percentage of the constituent
244	MDF_F_CONTRACTSIZE	number		Specifies the number of underlying shares per derivative.
353	MDF_F_CONTRACTVALUE	number	10	Specifies the monetary value in the underlying share of each tick in the derivative.
143	MDF_F_CREDITLOSS	number		Credit loss
345	MDF_F_CROSSTYPE	uint		The type of cross for which the Net Order Imbalance message is being generated. Valid values: <ul style="list-style-type: none"> ● 0 – Crossing has Ended ● 1 – Opening Cross ● 2 – Closing Cross ● 3 – Cross for Halted Securities ● 4 – Intraday Auction ● 5 - Post-market Crossing
441	MDF_F_CSR	number		Corporate Sustainability Rating
232	MDF_F_CURLIABILITIES	number		A balance sheet item: A company's debts or obligations that are due within one year
226	MDF_F_CURRENTASSETS	number		A balance sheet item: The value of all assets that are reasonable expected to be converted into cash within one year in the normal course of business.
290	MDF_F_CUSIP	string	9	The Committee on Uniform Security Identification Procedures identifier as assigned by Standard & Poor's. CUSIP is the NNA for United States and Canada.
616	MDF_F_CVR	number	10	Unique identifier for a business in Denmark's Central Business Register (Det Centrale Virksomhedsregister). https://datacvr.virk.dk/data/
404	MDF_F_D1	date		Placeholder for dates. The exact definition is dependent upon context.
405	MDF_F_D2	date		
406	MDF_F_D3	date		

369	MDF_F_DARKQUANTITY	number	20,0	The cumulative number of traded shares or contracts of shares for Dark Pool trades.
370	MDF_F_DARKTURNOVER	number	38,7	The cumulative amount traded (e.g. price * quantity), expressed in units of currency of trades for Dark Pool trades.
3	MDF_F_DATE	date		Specifies event date
710	MDF_F_DAYCOUNTCONVENTION	uint		Defines the Day Count Convention used for calculating Bonds. Valid values: <ul style="list-style-type: none"> ● 0 – 30E/360 ● 1 – 30U/360 ● 2 – Actual/360 ● 3 – Actual/365 ● 4 – Actual/Actual
8	MDF_F_DAYHIGHPRICE	number	20,8	The highest paid price during the current trading session
78	MDF_F_DAYHIGHYIELD	number		The highest paid yield during the current trading session
9	MDF_F_DAYLOWPRICE	number	20,8	The lowest paid price during the current trading session
79	MDF_F_DAYLOWYIELD	number		The lowest paid yield during the current trading session
364	MDF_F_DELETERECORD			The presence of this field indicates that the record should be deleted.
699	MDF_F_DELTA	number		Black–Scholes Delta
27	MDF_F_DERIVATIVEINDICATOR	uint		Defines the derivative type. Valid values: <ul style="list-style-type: none"> ● 0 - Call ● 1 - Put ● 2 - Forward ● 3 – Future ● 4 – Combination
172	MDF_F_DESCRIPTION	string	65535	Company description, long
132	MDF_F_DILUTEDEPS	number		An income statement item: Earnings per share that takes account of shares to be issued in the future, as well as those currently issued.
100	MDF_F_DIVIDEND	number	19,4	The gross dividend price expressed in the instrument's trading currency
318	MDF_F_DIVIDENDFREQUENCY	uint		Defines the derivative frequency. Valid values: <ul style="list-style-type: none"> ● 0 – Annual ● 1 – Semi-Annual ● 2 – Quarterly ● 3 – Monthly
101	MDF_F_DIVIDENDORIGINAL	number	19,4	The dividend price expressed in the currency used in the announcement
317	MDF_F_DIVIDENDTYPE	uint		Defines the dividend type. Valid values: <ul style="list-style-type: none"> ● 0 – Accumulating ● 1 – Distributing ● 2 – None

175	MDF_F_DIVIDENDYIELD	number		The dividend yield on a company is the company's annual dividend divided by its market cap.
339	MDF_F_DURATION	number	19,7	Index duration calculated as Macalay's duration.
128	MDF_F_EBIT	number		An income statement item: Earnings before interest and taxes
134	MDF_F_EBITA	number		An income statement item: Earnings before interest, taxes and amortization
133	MDF_F_EBITDA	number		An income statement item: Earnings Before interest, taxes, depreciation and amortization.
213	MDF_F_EMAIL	string		E-mail address
131	MDF_F_EPS	number		An income statement item: Earnings per share. The part of the company's profit that is attributed to each individual share of stock.
173	MDF_F_EQUITYRATIO	number		Equity Ratio
324	MDF_F_EUSIPA	number	4,0	European Structured Investment Products Association categorisation code. See http://www.eusipa.org/
382	MDF_F_EVENTLINK	string	36	A URI for downloading a document linked with this event can be constructed by using the value from this field as " <a href="https://documents.millistream.com/<value>">https://documents.millistream.com/<value> " where "<value>" is replaced with the value from this field. A specific language of the document can be requested with " <a href="https://documents.millistream.com/<value>?language=<language>">https://documents.millistream.com/<value>?language=<language> ", where "<language>" is a language code in ISO 639-1. The languages supported for the document can be derived by the <i>MDF_F_EVENTLINKLANGUAGES</i> field.
383	MDF_F_EVENTLINGLANGUAGES	string		The languages available for the link described by <i>MDF_F_EVENTLINK</i> . Used to construct the complete URI of the event link in order to fetch a document in a different language than the default. The string is comma separated and the language codes are according to ISO 639-1.
38	MDF_F_EXECUTEDSIDE	uint		Defines which side in the order book that was executed on a trade. Valid values: <ul style="list-style-type: none"> ● 0 - Bid Side (the aggressor was the seller) ● 1 - Ask Side (the aggressor was the buyer)
28	MDF_F_EXERCISETYPE	uint		Type of exercise procedure. Valid values: <ul style="list-style-type: none"> ● 0 – European ● 1 – American ● 2 – Asian ● 3 – Binary ● 4 – Bermudan
711	MDF_F_EXPIRATIONTYPE	uint		Defines how derivatives expire. Valid values: <ul style="list-style-type: none"> ● 0 – Quarterly

				<ul style="list-style-type: none"> ● 1 – Monthly ● 2 – Weekly ● 3 – Daily
69	MDF_F_EXTRACREDENTIAL	string		<p>Extra login credential to send to a 3d party authorization server to perform two-factor authentication.</p> <p>Currently supported services:</p> <p>* Yubikey OTP (https://www.yubico.com/)</p> <p>* OATH-TOTP (https://tools.ietf.org/html/rfc6238)</p>
212	MDF_F_FAX	string		Fax number
330	MDF_F_FIELDASPECT	string		<p>Defines the aspect of the field value for estimates. Valid values:</p> <ul style="list-style-type: none"> ● Value – The value as such ● GrPP – The growth in the value, from previous period, to the current. ● GrYY – The growth in the value, from the same period, previous year to current. ● Margin – (Margin to Sales) The margin between the Variable and the Variable Sales.
329	MDF_F_FIELDNAME	string	30	Contains the name of the field
331	MDF_F_FIELDTYPE	string		<p>Defines the type of the field value for estimates. Describes if the value is an estimate (a consensus estimate) or an actual (outcome), and whether NRI (Non-Recurring Items) have been included. Valid values:</p> <ul style="list-style-type: none"> ● EstEstNri – The estimated value, including the estimated NRI. ● EstXNri – The estimated value excluding NRI. ● EstSmeNri – The estimated value, including SME:s judgment of NRI. ● ActActNri – The actual value, once it has been published, including the actual NRI (Proforma if such a value has been published later). ● ActXNri – The actual value, once it has been published excluding NRI (Proforma if such a value has been published later). ● ActActNriAR – The actual value, once it has been published, including the actual NRI (As originally reported, even if a Proforma value has later been published). ● ActXNriAR – The actual value, once it has been published, excluding the actual NRI (As originally reported, even if a Proforma value has later been published). ● SmeNri – SME:s judgment of NRI,

				<p>isolated.</p> <ul style="list-style-type: none"> ● ActNri – Actual NRI, isolated (Proforma if such a value has been published). ● ActNriAR – Actual NRI, isolated (As originally reported, even if a Proforma value has later been published). ● Dev – Deviation. The percentage deviation of the forecast, including actual NRI, from the actual value, including actual NRI.
333	MDF_F_FIELDUNIT	string		<p>Defines the unit of the field value. Valid Values:</p> <ul style="list-style-type: none"> ● Currency ● Percentage points ● Unit ● Thousand ● Million ● Billion ● Percent ● UnitCond ● UnitCond2
689	MDF_F_FIGI	string	12	Financial Instrument Global Identifier
690	MDF_F_FIGICOMPOSITE	string	12	Composite Financial Instrument Global Identifier
693	MDF_F_FIGISECURITYTYPE	string	255	<p>SecurityType according to FIGI. For list of definitions see: https://www.omg.org/spec/FIGI/20150501/SecurityTypes.rdf</p>
691	MDF_F_FIGISHARECLASS	string	12	Share Class Financial Instrument Global Identifier
363	MDF_F_FIINSTITUTENUMBER	number	19,0	Identifier assigned by The Swedish Financial Supervisory Authority (Finansinspektionen), used to identify institutions and mutual funds.
218	MDF_F_FINANCIALASSET	number		A balance sheet item: An asset that derives value because of contractual claim. Stocks, bonds, bank deposits, and the like are all examples of financial assets.
359	MDF_F_FINANCIALCOST	number	19,7	
358	MDF_F_FINANCIALINCOME	number	19,7	
360	MDF_F_FINANCINGLEVEL	number	19,7	A loan included in a Minifuture
321	MDF_F_FISCALPERIOD	char	19	The fiscal period in “YYYYMMDD – YYYYMMDD” format. Used for fundamentals data and the interim report and quarterly report events.
525	MDF_F_FISN	string	35	Financial Instrument Short Name according to ISO 18774
217	MDF_F_FIXEDASSET	number		A balance sheet item: A long-term tangible piece of property that a firm owns and uses in the production of its income and is not expected to be consumed or converted into cash any sooner than at least one year's time. Also known as Plant.
254	MDF_F_FUNDBENCHMARK	string		Fund benchmark indices. Multiple indices are

				separated with pipe ' '. Link to the first benchmark index from the Fund Benchmark Index field if available in the Millistream universe.
294	MDF_F_FUNDBENCHMARKINSREF	insref		Link to the first benchmark index from the Fund Benchmark Index field if available in the Millistream universe.
90	MDF_F_FUNDCOMPANY	insref		Link to the fund company issuing the fund
256	MDF_F_FUNDDIRECTION	string		Is either “Long” or “Short”
255	MDF_F_FUNDLEVERAGE	number		The fund leverage expressed in percent against the fund benchmark index. If MDF_F_FUNDDIRECTION is not NULL then a NULL value for this field indicates that the leverage is either +100% or -100%.
91	MDF_F_FUNDPMICODE	string		Identifier assigned by the Swedish Mutual Fund Association
65	MDF_F_FUNDPPCODE	number	7,0	Identifier assigned by Premie Pensions Myndigheten
252	MDF_F_FUNDPFMFEE	number		The fund yearly management fee if bought as a PPM fund
253	MDF_F_FUNDPFMTYPE	string		
323	MDF_F_FUNDRISK	number	5	
251	MDF_F_FUNDEARLYMGMTFEE	number		The fund yearly management fee
700	MDF_F_GAMMA	number		Black–Scholes Gamma
204	MDF_F_GENDERCEO	string	1	(M)ale or (F)emale
205	MDF_F_GENDERCHAIRMAN	string	1	(M)ale or (F)emale
248	MDF_F_GENIUMID	number	10	Identifier used by NASDAQ OMX in their Genium Consolidated Feed (GCF)
259	MDF_F_GEOFOCUSCOUNTRY	string		Geographic focus, country
258	MDF_F_GEOFOCUSREGION	string		Geographic focus, region
216	MDF_F_GOODWILL	number		A balance sheet item: Goodwill typically reflects the value of intangible assets such as a strong brand name, good customer relations, good employee relations and any patents or proprietary technology.
198	MDF_F_GROSSPROFIT	number		An income statement item: The net sales minus the cost of goods and services sold. Also known as Sales Profit.
1	MDF_F_HEADLINE	string		The headline of the news item
165	MDF_F_HIGHPRICE1Y	number	19,7	The adjusted highest price from one year back till now.
624	MDF_F_HIGHPRICE3Y	number	19,7	The adjusted highest price from three years back till now.
626	MDF_F_HIGHPRICE5Y	number	19,7	The adjusted highest price from five years back till now.
628	MDF_F_HIGHPRICE10Y	number	19,7	The adjusted highest price from ten years back till now.
185	MDF_F_HIGHPRICE1YDATE	date		Date of the High Price 1Y price

193	MDF_F_HIGHPRICEYTD	number	19,7	The adjusted highest price since the previous year
195	MDF_F_HIGHPRICEYTDDATE	date		Date of the High Price YTD price
282	MDF_F_HIGHYIELD1Y	number	19,7	The adjusted highest yield from one year back till now.
288	MDF_F_HIGHYIELD1YDATE	date		Date of High Yield 1Y value
284	MDF_F_HIGHYELDYTD	number	19,7	The adjusted highest yield since the previous year
286	MDF_F_HIGHYELDYTDDATE	date		Date of High Yield YTD value
399	MDF_F_I1	number	10,0	Placeholder for integers. The exact definition is dependent upon context.
400	MDF_F_I2	number	10,0	
401	MDF_F_I3	number	10,0	
402	MDF_F_I4	number	10,0	
403	MDF_F_I5	number	10,0	
722	MDF_F_I6	number	10,0	
723	MDF_F_I7	number	10,0	
724	MDF_F_I8	number	10,0	
725	MDF_F_I9	number	10,0	
726	MDF_F_I10	number	10,0	
236	MDF_F_IBL	number		A balance sheet item: Interest-Bearing Liabilities
343	MDF_F_IMBALANCE	number	20	The number of shares not paired at the current equilibrium price.
344	MDF_F_IMBALANCEDIRECTION	uint		The market side of the order imbalance. Valid values: <ul style="list-style-type: none"> ● 1 – Buy Imbalance ● 2 – Sell Imbalance ● 3 – No Imbalance ● 4 – Insufficient Orders to Calculate
214	MDF_F_IMPORTANTEVENTS	string		Company description of important events
293	MDF_F_INCEPTIONDATE	date		The day a fund begins offering shares
727	MDF_F_INSREF1	insref		
728	MDF_F_INSREF2	insref		
729	MDF_F_INSREF3	insref		
730	MDF_F_INSREF4	insref		
731	MDF_F_INSREF5	insref		
53	MDF_F_INSREFLIST	list		A list of instrument references. Used as a filter for requests or in the reply to a MDF_RC_INSREF request. When used as a filter for request a string containing the single character "*" indicates "all instruments that I'm entitled to".
295	MDF_F_INSTRUMENTCLASS	uint		Defines the Instrument Class of the underlying instrument.

				<p>Valid values:</p> <ul style="list-style-type: none"> ● 0 – Equity ● 1 – Commodity ● 2 – Alternative ● 3 – Currency ● 4 – Fixed Income ● 5 – Index ● 6 – Future
296	MDF_F_INSTRUMENTSUBCLASS	string		Defines the Instrument Sub Class of the underlying instrument.
319	MDF_F_INSTRUMENTSUBSUBCLASS	string		Defines the Instrument Subsub Class of the underlying instrument.
26	MDF_F_INSTRUMENTSUBTYPE	uint		<p><i>Instrument Type = 0</i></p> <ul style="list-style-type: none"> ● 0 – Regulated Marketplace ● 1 – Multilateral Trading Facility ● 2 – Over The Counter ● 3 – Index Calculator ● 4 – Fund Reporter <p><i>Instrument Type = 1</i></p> <ul style="list-style-type: none"> ● 0 – Exchange List ● 1 – Custom List (for internal use only) <p><i>Instrument Type = 2</i></p> <ul style="list-style-type: none"> ● 0 – Company ● 1 – Fund Company <p><i>Instrument Type = 3</i></p> <ul style="list-style-type: none"> ● 0 – News Agency ● 1 – Press Release Agency ● 2 – System Messages <p><i>Instrument Type = 4</i></p> <ul style="list-style-type: none"> ● 0 – Common Stock ● 1 – Preferred Stock ● 2 – Unit Share <p><i>Instrument Type = 5</i></p> <ul style="list-style-type: none"> ● 0 – Standardized Derivative ● 1 – Certificate ● 2 – Discount Certificate ● 3 – Index Certificate ● 4 – Out-Performance Certificate ● 5 – Bonus Certificate ● 6 – Tracker Certificate ● 7 – Win Win Certificate ● 8 – Share Basket Certificate ● 9 – Market Neutral Strategy Linked Bond ● 10 – Mini Future (Knock Out Warrant) ● 11 – Reversed Convertible ● 12 – Gearing Certificate ● 13 – Strategy Linked Bond ● 14 – Commodities ● 15 – Booster Certificate

				<ul style="list-style-type: none"> ● 16 – Autocall Certificate ● 17 – Capital Protected Certificate <p><i>Instrument Type = 6</i></p> <ul style="list-style-type: none"> ● 0 – Price Index ● 1 – Total Return Index, Net ● 2 – Total Return Index, Gross <p><i>Instrument Type = 7</i></p> <ul style="list-style-type: none"> ● 0 – Equity ● 1 – Commodity ● 2 – Alternative ● 3 – Currency ● 4 – Fixed Income <p><i>Instrument Type = 8</i></p> <ul style="list-style-type: none"> ● 0 – Equity Fund ● 1 – Balanced Fund ● 2 – Money Market Fund ● 3 – Bond Fund ● 4 – Asset Allocation Fund ● 5 – Hedge Fund ● 6 – Risk Fund ● 7 – Short-Term Bond Fund ● 8 – Index Fund ● 9 – Unit Link Fund ● 10 – Income Mixed Fund ● 11 – Uncategorized Fund <p><i>Instrument Type = 9</i></p> <ul style="list-style-type: none"> ● 0 – Subscription Rights ● 1 – Bonus Rights ● 2 – Unit Rights ● 3 – Share Purchase Right ● 4 – Interim Share ● 5 – Redemption Right <p><i>Instrument Type = 10</i></p> <ul style="list-style-type: none"> ● 0 – Spot ● 1 – Fixing ● 2 – Forward <p><i>Instrument Type = 11</i></p> <ul style="list-style-type: none"> ● 0 – Convertible Bond ● 1 – Premium Bond ● 2 – Equity Linked Bond ● 3 – Index Linked Bond ● 4 – Commodity Linked Bond ● 5 – Currency Linked Bond ● 6 – Fund Linked Bond ● 7 – Multi-Asset Linked Bond ● 8 – Government Bond ● 9 – Eurobond ● 10 – Municipal Bond ● 11 – Corporate Bond ● 12 – Mortgage Bond ● 13 – Bond
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			<ul style="list-style-type: none"> ● 14 – Inflation Linked Bond ● 15 – Loan Debenture ● 16 – Structured Products ● 17 – Retail Corporate Bonds ● 18 – Retail Bonds ● 19 – Tailor Made Products <p><i>Instrument Type = 12</i></p> <ul style="list-style-type: none"> ● 0 – Treasury Bill ● 1 – Treasury Note ● 2 – Fixings ● 3 – Certificates ● 4 – Swaps ● 5 – Deposits ● 6 – Forward Rate Agreement (FRA) <p><i>Instrument Type = 13</i></p> <ul style="list-style-type: none"> ● 0 – Tenant Ownership Loan ● 1 – Detached House Loan ● 2 – House Loan Average Rate <p><i>Instrument Type = 15</i></p> <ul style="list-style-type: none"> ● 0 – Warrant ● 1 – Unlimited Turbo (Knock Out) ● 2 – Digital Warrant ● 3 – Barrier Warrant ● 4 – Hit Warrant ● 5 – Index Warrant ● 6 – Turbo Warrant (Knock Out) ● 7 – Knock Out Binary Warrant ● 8 – Double Knock Out Binary Warrant <p><i>Instrument Type = 20</i></p> <ul style="list-style-type: none"> ● 0 – GICS ● 1 – ICB ● 2 – Millistream Open Industry Classification (MOIC) <p><i>Instrument Type = 21</i></p> <ul style="list-style-type: none"> ● 0 – Metals ● 1 – Precious Metals ● 2 – Energy <p><i>Instrument Type = 22</i></p> <ul style="list-style-type: none"> ● 0 – Bull & Bear ● 1 – Spread Certificate
25	MDF_F_INSTRUMENTTYPE	uint	<p>The type of the instrument. Value values:</p> <ul style="list-style-type: none"> ● 0 – Marketplace ● 1 – List ● 2 – Company ● 3 – News Agency ● 4 – Equity ● 5 – Derivative ● 6 – Index ● 7 – Exchange Traded Fund ● 8 – Mutual Fund

				<ul style="list-style-type: none"> ● 9 – Rights ● 10 – Forex ● 11 – Fixed Income ● 12 – Money Market ● 13 – Real Estate ● 14 – Structured Product ● 15 – Warrant ● 16 – Uncategorized Type ● 17 – Exchange Traded Commodity ● 18 – Unit Trust Certificate ● 19 – Primary Capital Certificate ● 20 – Classification Sector ● 21 – Commodity ● 22 – Exchange Traded Note / Certificate ● 23 – Tick Table ● 24 – Submarket ● 25 – Implied Volatility Instruments
215	MDF_F_INTANGIBLEASSET	number	19,7	A balance sheet item: An asset that is not physical in nature.
378	MDF_F_INTERESTEXPENSE	number	19,7	An income statement item: **TODO**
376	MDF_F_INTERESTINCOME	number	19,7	An income statement item: **TODO**
411	MDF_F_INTERESTRATE	number	19,7	The rate expressed in percentage at which interest is paid by a borrower. For Premium/Lottery Bonds this is the percentage of the Outstanding Amount that is paid out each year in the lottery.
56	MDF_F_INTERNALQUANTITY	number	20,0	The cumulative number of traded shares or contracts of shares where buyer and seller is the same.
57	MDF_F_INTERNALTURNOVER	number	38,7	The cumulative amount traded (e.g. price * quantity), expressed in units of currency of trades where buyer and seller is the same.
220	MDF_F_INVENTORY	number		A balance sheet item: Value of materials and goods held by a firm to support production, for support activities, or for sale or customer service.
23	MDF_F_ISIN	string	12	The International Securities Identification Number as assigned to the instrument by the National Numbering Agency (NNA).
29	MDF_F_ISSUECURRENCY	string	4	The issue currency
33	MDF_F_ISSUEDATE	date		The issue date
362	MDF_F_ISSUEPRICE	number	19,7	The issue price, can be in percentage for structured products.
247	MDF_F_ISSUER	string	4	The symbol/abbreviated name of the issuer as set by the marketplace.
352	MDF_F_ISSUENAME	string	255	The non-abbreviated name of the issuer. Set and determined by Millistream.
698	MDF_F_IV	number		Implied Volatility calculated on Mid Price.
709	MDF_F_IVASK	number		Implied Volatility calculated on Ask Price.
708	MDF_F_IVBID	number		Implied Volatility calculated on Bid Price.

617	MDF_F_KENNITALA	number	10	A unique national identification number used by the Icelandic government to identify individuals and organizations in Iceland, administered by the Registers Iceland (Þjóðskrá Íslands). https://www.firmaskra.is/link.php?lang=en&id=6&name=Help
365	MDF_F_KIID	string	65535	URL to the Key Investor Information Document (KIID).
0	MDF_F_LANGUAGE	string	2	Specifies the language according to ISO 639-1
7	MDF_F_LASTPRICE	number	20,8	The last paid price during the current trading session
76	MDF_F_LASTYIELD	number		The last paid yield during the current trading session
437	MDF_F_LATESTYEARENDREPORT	number	4	The year of the latest Year End report for the company as available in the MDF_M_FUNDAMENTALS message.
426	MDF_F_LEGALSTRUCTURE	string		The legal structure of the Mutual Fund
526	MDF_F_LEI	string	20	Legal Entity Identifier according to ISO 17442
55	MDF_F_LIST	list		Links to the lists the instrument belongs
70	MDF_F_LOGOFFREASON	string		The reason the server terminated the connection. The value is constructed as a status number followed by a free text field. The current status numbers are: <ul style="list-style-type: none"> ● 401 – Authentication failure ● 503 – The server is shutting down ● 204 – Response to client log off request
351	MDF_F_LOGOTYPE	string	65535	The URI to a image file representing the company logotype.
166	MDF_F_LOWPRICE1Y	number	19,7	The adjusted lowest price from one year back till now.
625	MDF_F_LOWPRICE3Y	number	19,7	The adjusted lowest price from three years back till now.
627	MDF_F_LOWPRICE5Y	number	19,7	The adjusted lowest price from five years back till now.
629	MDF_F_LOWPRICE10Y	number	19,7	The adjusted lowest price from ten years back till now.
186	MDF_F_LOWPRICE1YDATE	date		Date of the Low Price 1Y price
194	MDF_F_LOWPRICEYTD	number	19,7	The adjusted lowest price since previous year
196	MDF_F_LOWPRICEYTDDATE	date		Date of the Low Price YTD price
283	MDF_F_LOWYIELD1Y	number	19,7	The adjusted lowest yield from one year back till now.
289	MDF_F_LOWYIELD1YDATE	date		Date of the Low Yield 1Y value
285	MDF_F_LOWYIELDYTD	number	19,7	The adjusted lowest price since previous year
287	MDF_F_LOWYIELDYTDDATE	date		Date of the Low Yield YTD value
231	MDF_F_LTLIABILITIES	number		A balance sheet item: A company's liabilities for

				leases, bond repayments and other items due in more than one year
424	MDF_F_MARKETCLOSE	time		The time when the marketplace closes for trading on a normal trading day.
425	MDF_F_MARKETEARLYCLOSE	time		The time when the marketplace closes for trading on a early closing day.
412	MDF_F_MARKETMAKER	string		A broker-dealer firm that accepts the risk of holding a certain number of shares of a particular security in order to facilitate trading in that security. Also called a Liquidity Provider. If the name of the Market Maker is unknown then a string value of "Y" will be used.
423	MDF_F_MARKETOPEN	time		The time when the marketplace opens for trading, both on normal and early closing days.
429	MDF_F_MARKETOPENDAYS	bitfield		Tells which days that the marketplace is normally open for trading. If the marketplace is forced closed or forced open then this information can be found in Corporate Action Type = 18. Valid values: <ul style="list-style-type: none"> ● 64 – Sundays ● 32 – Saturdays ● 16 – Fridays ● 8 – Thursdays ● 4 – Wednesdays ● 2 – Tuesdays ● 1 – Mondays
54	MDF_F_MARKETPLACE	insref		Link to the marketplace
328	MDF_F_MAX	number	19,7	The largest number in a range of values
384	MDF_F_MAXLEVEL	number	13,6	The Max Level for Max Certificates
243	MDF_F_MCAP	number	19,7	Market Capitalization is a measurement of corporate or economic size equal to the share price times the number of outstanding shares of a public company.
119	MDF_F_MIC	string	4	Identifier for the Market place according to ISO 10383
656	MDF_F_MIFID00001	string	3	00001_EMT_Version. Valid values: <ul style="list-style-type: none"> ● V1 – EMTv1 ● V2 – EMTv2 ● V3 - EMTv3
657	MDF_F_MIFID00005	string	19	00005_File_Generation_Date_and_Time
658	MDF_F_MIFID00006	string	1	00006_EMT_Data_Reporting_Target_Market. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N - No
659	MDF_F_MIFID00007	string	1	00007_EMT_Data_Reporting_ExAnte. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N - No

660	MDF_F_MIFID00008	string	1	00008_EMT_Data_Reporting_ExPost. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N - No
548	MDF_F_MIFID00010	string		00010_Financial_Instrument_Identifying_Data
549	MDF_F_MIFID00020	uint		00020_Type_Of_Identification_Code_For_The_Financial_Instrument. Valid values: <ul style="list-style-type: none"> ● 1 – ISIN ● 2 – CUSIP ● 3 – SEDOL ● 4 – WKN ● 5 – Bloomberg Ticker ● 6 – BBGID ● 7 – Reuters RIC ● 8 – FIGI ● 9 – Other code by members of the Association of National Numbering Agencies ● 99 – Code attributed by the undertaking
550	MDF_F_MIFID00030	string	255	00030_Financial_Instrument_Name
551	MDF_F_MIFID00040	string	3	00040_Financial_Instrument_Currency according to ISO 4217
661	MDF_F_MIFID00045	string	1	00045_Financial_Instrument_Performance_Fee. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No
662	MDF_F_MIFID00047	string	1	00047_Financial_Instrument_Distribution_Of_Cash. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No
553	MDF_F_MIFID00060	string	2	00060_Financial_Instrument_Legal_Structure. Valid values: <ul style="list-style-type: none"> ● S – Structured Securities ● SF – Structured Funds ● U – UCITS ● N – Non UCITS
663	MDF_F_MIFID00068	string	255	00068_EMT_Responsible_Name
664	MDF_F_MIFID00069	string	20	00069_EMT_Responsible_LEI
554	MDF_F_MIFID00070	string		00070_Financial_Instrument_Issuer_Name
665	MDF_F_MIFID00073	string	20	00073_Financial_Instrument_Manufacturer_LEI
666	MDF_F_MIFID00074	string	255	00074_Financial_Instrument_Manufacturer_Email
667	MDF_F_MIFID00075	string	1	00075_Financial_Instrument_Manufacturer_Product_Governance_Process Valid values: <ul style="list-style-type: none"> ● A - Product governance procedure pursuant to MiFID II ● B - Product governance procedure comparable to MiFID II ● C - Product governance procedure not in accordance with MiFID II

				<ul style="list-style-type: none"> ● D - No information is requested from the issuer
555	MDF_F_MIFID00080	string		00080_Financial_Instrument_Guarantor_Name
668	MDF_F_MIFID00085	string	1	00085_Financial_Instrument_Type_Notional_or_Item_Based. Valid values: <ul style="list-style-type: none"> ● N - Notional based instrument ● I - Item based instrument
556	MDF_F_MIFID00090	string		00090_Product_Category_or_Nature
669	MDF_F_MIFID00095			00095_Structured_Securities_Product_Category_or_Nature
557	MDF_F_MIFID00100	string	1	00100_Leveraged_Financial_Instrument_or_Contingent_Liability_Instrument. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No
670	MDF_F_MIFID00110	string	1	00110_Fund_Clean_Share_Class Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N - No
671	MDF_F_MIFID00120	string	1	00120_Ex_Post_Cost_Calculation_Basis_Italy. Valid values: <ul style="list-style-type: none"> ● R - Rolling based (last 12 months) ● F - Fixed base (calendar year)
672	MDF_F_MIFID00130	string	1	00130_ESG_Integration_Level. Valid values: <ul style="list-style-type: none"> ● E - Enhanced Integration ● S - ESG Strategy ● I - Impact investing
673	MDF_F_MIFID01000	date		01000_Target_Market_Reference_Date
558	MDF_F_MIFID01010	string	1	01010_Investor_Type_Retail. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
559	MDF_F_MIFID01020	string	1	01020_Investor_Type_Professional. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral ● P – Professional per se ● E – Elective Professional ● B – Both
560	MDF_F_MIFID01030	string	1	01030_Investor_Type_Eligible_Counterparty. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
561	MDF_F_MIFID02010	string	1	02010_Basic_Investor. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
562	MDF_F_MIFID02020	string	1	02020_Informed_Investor. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral

563	MDF_F_MIFID02030	string	1	02030_Advanced_Investor. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
564	MDF_F_MIFID02040	string	1	02040_Expert_Investor_Germany. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
565	MDF_F_MIFID03010	string	1	03010_No_Capital_Loss. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
566	MDF_F_MIFID03020	string	1	03020_Limited_Capital_Loss. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
567	MDF_F_MIFID03030	number		03030_Limited_Capital_Loss_Level
568	MDF_F_MIFID03040	string	1	03040_No_Capital_Guarantee. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
569	MDF_F_MIFID03050	string	1	03050_Loss_Beyond_Capital. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
570	MDF_F_MIFID04010	number	1	04010_Risk_Tolerance_PRIIPS_Methodology. Valid values: 1-7
571	MDF_F_MIFID04020	number	1	04020_Risk_Tolerance_UCITS_Methodology. Valid values: 1-7
572	MDF_F_MIFID04030	string	1	04030_Risk_Tolerance_Internal_Methodology_For_Non_PRIIPS_and_Non_UCITS. Valid values: <ul style="list-style-type: none"> ● L – Low ● M – Medium ● H – High
573	MDF_F_MIFID04040	number	1	04040_Risk_Tolerance_For_Non_PRIIPS_and_Non_UCITS_Spain. Valid values: 1-6
574	MDF_F_MIFID04050	string	1	04050_Not_For_Investors_With_The_Lowest_Risk_Tolerance_Germany. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● ‘-’ - Neutral
575	MDF_F_MIFID05010	string	1	05010_Return_Profile_Preservation. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
576	MDF_F_MIFID05020	string	1	05020_Return_Profile_Growth. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
577	MDF_F_MIFID05030	string	1	05030_Return_Profile_Income. Valid values:

				<ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
578	MDF_F_MIFID05040	string	1	05040_Return_Profile_Hedging. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
579	MDF_F_MIFID05050	string	1	05050_Option_or_Leveraged_Return_Profile. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
580	MDF_F_MIFID05060	string	1	05060_Return_Profile_Other. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● ‘-’ - Neutral
581	MDF_F_MIFID05070	string	1	05070_Return_Profile_Pension_Scheme_Germany. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
582	MDF_F_MIFID05080	string	1	05080_Time_Horizon. Valid values: <ul style="list-style-type: none"> ● V – Very short term ● S – Short term ● M – Medium term ● L – Long term ● ‘-’ – Neutral
583	MDF_F_MIFID05080N	number		05080_Time_Horizon in years if MDF_F_MIFID05080 is NULL or absent
585	MDF_F_MIFID05100	string	1	05100_May_Be_Terminated_Early. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
674	MDF_F_MIFID05105	string	1	05105_Intended-Compatible_With_Clients_Having_ESG_Preferences. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No ● ‘-’ - Neutral
586	MDF_F_MIFID05110	string	1	05110_Specific_Investment_Need. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N -No ● G – Green Investment ● E – Ethical Investment ● I – Islamic Banking ● S – ESG ● O – Other
675	MDF_F_MIFID05115	string	1	05115_Other_Specific_Investment_Need. Valid values: <ul style="list-style-type: none"> ● N - No ● I - Islamic banking ● O - Other
587	MDF_F_MIFID06010	string	1	06010_Execution_Only. Valid values:

				<ul style="list-style-type: none"> ● R – Retail ● P – Professional ● B – Both ● N – Neither
588	MDF_F_MIFID06020	string	1	06020_Execution_With_Appropriateness_Test_Or_Non_Advised_Services. Valid values: <ul style="list-style-type: none"> ● R – Retail ● P – Professional ● B – Both ● N – Neither
589	MDF_F_MIFID06030	string	1	06030_Investment_Advice. Valid values: <ul style="list-style-type: none"> ● R – Retail ● P – Professional ● B – Both ● N – Neither
590	MDF_F_MIFID06040	string	1	06040_Portfolio_Management. Valid values: <ul style="list-style-type: none"> ● R – Retail ● P – Professional ● B – Both ● N – Neither
591	MDF_F_MIFID07010	string	1	07010_Structured_Securities_Quotation. Valid values: <ul style="list-style-type: none"> ● U – Unit figures ● P – Percentage quotation
592	MDF_F_MIFID07020	number		07020_One-off_cost_Financial_Instrument_entry_cost
676	MDF_F_MIFID07025	number		07025_Net_One-off_cost_Financial_Instrument_entry_cost_non_acquired
593	MDF_F_MIFID07030	number		07030_One-off_cost_Financial_Instrument_maximum_entry_cost_fixed_amount_Italy
594	MDF_F_MIFID07040	number		07040_One-off_cost_Financial_Instrument_maximum_entry_cost_acquired
595	MDF_F_MIFID07050	number		07050_One-off_costs_Financial_Instrument_maximum_exit_cost
596	MDF_F_MIFID07060	number		07060_One-off_costs_Financial_Instrument_maximum_exit_cost_fixed_amount_Italy
597	MDF_F_MIFID07070	number		07070_One-off_costs_Financial_Instrument_maximum_exit_cost_acquired
598	MDF_F_MIFID07080	number		07080_One-off_costs_Financial_Instrument_Typical_exit_cost
599	MDF_F_MIFID07090	number		07090_One-off_cost_Financial_Instrument_exit_cost_structured_securities_prior_RHP

600	MDF_F_MIFID07100	number	07100_Financial_Instrument_Ongoing_costs
677	MDF_F_MIFID07101	number	07101_Financial_Instrument_Total_Cost_Of_Underlying_Funds_UK
678	MDF_F_MIFID07105	number	07105_Financial_Instrument_Gearing_costs_ex_ante_UK
601	MDF_F_MIFID07110	number	07110_Financial_Instrument_Management_fee
602	MDF_F_MIFID07120	number	07120_Financial_Instrument_Distribution_fee
603	MDF_F_MIFID07130	number	07130_Financial_Instrument_Transaction_costs_ex_ante
604	MDF_F_MIFID07140	number	07140_Financial_Instrument_Incidental_costs_ex_ante
679	MDF_F_MIFID07150	number	07150_Structured_Securities_Reference_Price_ex_ante
680	MDF_F_MIFID07155	number	07155_Structured_Securities_Notional_Reference_Amount_ex_ante
681	MDF_F_MIFID07160	date	07160_Ex_Ante_Costs_Reference_Date
605	MDF_F_MIFID08010	number	08010_One-off_cost_Structured_Securities_entry_cost_ex_post
682	MDF_F_MIFID08015	number	08015_Net_One-off_cost_Structured_Securities_entry_cost_ex_post
606	MDF_F_MIFID08020	number	08020_One-off_costs_Structured_Securities_exit_cost_ex_post
683	MDF_F_MIFID08025	number	08025_One-off_cost_Financial_Instrument_entry_cost_acquired
607	MDF_F_MIFID08030	number	08030_Financial_Instrument_Ongoing_costs_ex_post
608	MDF_F_MIFID08040	number	08040_Structured_Securities_Ongoing_costs_ex_post_accumulated
684	MDF_F_MIFID08045	number	08045_Financial_Instrument_Ongoing_Costs_Underlying_Funds_UK
685	MDF_F_MIFID08046	number	08046_Financial_Instrument_Gearing_costs_ex_post_UK
609	MDF_F_MIFID08050	number	08050_Financial_Instrument_Management_fee_ex_post
610	MDF_F_MIFID08060	number	08060_Financial_Instrument_Distribution_fee_ex_post
611	MDF_F_MIFID08070	number	08070_Financial_Instrument_Transaction_costs_ex_post
612	MDF_F_MIFID08080	number	08080_Financial_Instrument_Incidental_costs_ex_post
686	MDF_F_MIFID08085	number	08085_Financial_Instrument_Performance_Fee_costs_ex_post

613	MDF_F_MIFID08090	date		08090_Beginning_Of_Calculation_Period
614	MDF_F_MIFID08100	date		08100_End_Of_Calculation_Period
687	MDF_F_MIFID08110	number		08110_Structured_Securities_Reference_Price_ex_post
688	MDF_F_MIFID08120	number		08120_Structured_Securities_Notional_Reference_Amount
327	MDF_F_MIN	number	19,7	The smallest number in a range of values
310	MDF_F_MINADDITIONALAMOUNT	number		
229	MDF_F_MINORITYINTEREST	number		A balance sheet item: A non-current liability that represents the proportions of a company's subsidiaries owned by minority shareholders
380	MDF_F_MINORITYINTERESTRES	number	19,7	An income statement item: The part of the profit that belongs to subsidiaries partly owned. Also know as non-controlling interest.
307	MDF_F_MINSTARTAMOUNT	number		
308	MDF_F_MINSUBSCRIPTIONAMOUNT	number		
122	MDF_F_MINUSPAID	number	10,0	Total amount of decreased paid prices compared with yesterdays closing prices.
692	MDF_F_MMO	bool		Indicates if this side and level of the orderbook contains a protected market maker order.
524	MDF_F_MMT	string	14	MMT (Market Model Typology)
304	MDF_F_MORNINGSTARRATING	number	1	Morningstar rating, from 5 (highest rating) to 1 (lowest rating)
394	MDF_F_N1	number	19,7	Placeholder for numerical values. The exact definition is dependent upon context.
395	MDF_F_N2	number	19,7	
396	MDF_F_N3	number	19,7	
397	MDF_F_N4	number	19,7	
398	MDF_F_N5	number	19,7	
717	MDF_F_N6	number	19,7	
718	MDF_F_N7	number	19,7	
719	MDF_F_N8	number	19,7	
720	MDF_F_N9	number	19,7	
721	MDF_F_N10	number	19,7	
22	MDF_F_NAME	string		The name
93	MDF_F_NAV	number	19,4	Net Asset Value. The price set on a fund's units by deducting liabilities from assets and dividing by the number of outstanding units.
432	MDF_F_NETDIVIDEND	number	19,4	The net dividend price expressed in the instrument's trading currency
139	MDF_F_NETFEEANDCOMINCOME	number		Net fee and commission income
138	MDF_F_NETFININCOME	number		An income statement item: The income that a firm has after subtracting costs and expenses from

				the total revenue. Also known as Net Operating Income (NOI) if positive, and Net Operating Loss (NOL) if negative.
137	MDF_F_NETINTERESTINCOME	number		Total interest income less total interest expense
130	MDF_F_NETPROFIT	number		An income statement item: The gross revenue minus all expenses
199	MDF_F_NETSALES	number		The operating revenues earned by a company when it sells it's products. Also knows as Revenue.
73	MDF_F_NEWSBLOCKNUMBER	number	5,0	Number that uniquely identifies this news block within this news item.
85	MDF_F_NEWSCODINGCOMPANY	list		Space separated list of the insref's of the companies this news item is coded for
88	MDF_F_NEWSCODINGCOUNTRY			
621	MDF_F_NEWSCODINGIMPACT	number	5,0	The impact of the news item as determined by the news agency. Currently in the range of 0-3 and the value is usually set when the news item is created and never changed.
167	MDF_F_NEWSCODINGISIN	string		Space separated list of ISIN codes this news item is coded for.
89	MDF_F_NEWSCODINGORIGINAL	string		Internal use by Millistream
439	MDF_F_NEWSCODINGREGULATORY	bool		Indicates whether the news item is a Regulatory news item or not.
87	MDF_F_NEWSCODINGSUBJECT	uint		<ul style="list-style-type: none"> ● 0 – General News (Uncategorized) ● 1 – Products ● 2 – Annual Report ● 3 – Interim Report ● 4 – Decisions from General Meeting ● 5 – Prospectus ● 6 – Marketing ● 7 – Earnings ● 8 – Personnel Changes ● 9 – Stock Activities / Corporate Actions ● 10 – Newsletter ● 11 – Notice to convene General Meeting
620	MDF_F_NEWSCODINGTAGS	tabular		<p>Specifies the tags for a news item, single column and each row defines a new tag for the same news item.</p> <p>For supported values please see the "News Format" documentation.</p>
86	MDF_F_NEWSCODINGTYPE	uint		<ul style="list-style-type: none"> ● 0 – News Flash ● 1 – News Article ● 2 – Press Release ● 3 – Company Financial Calendar ● 4 – Report ● 5 – Market Commentary ● 6 – Economic Calendar (Today) ● 7 – Economic Calendar (This Week) ● 8 – Systems Messages

106	MDF_F_NEWSHARES	number		The number of old shares for each new share. For example for a split or new emission where the ratio is 'new:old'
48	MDF_F_NEWSID	string	36	Unique id for the news id
552	MDF_F_NEWSIDREPLACE	string	36	The unique news id that this news item replaces, either due to correction or amendment.
115	MDF_F_NEWSISLASTBLOCK	bool		Indicates whether the news block is the last
325	MDF_F_NEWSRANK	number	2,0	The rank of the news item, currently used by a single news source (Marknadskoll Direkt) and the rank is in the range of 1-10
234	MDF_F_NIBL	number		A balance sheet item: Non-Interest-Bearing Liabilities
110	MDF_F_NOMINALVALUE	number		The nominal value
219	MDF_F_NONCURRENTASSET	number		A balance sheet item: An asset which is not easily convertible to cash or not expected to become cash within the next year
440	MDF_F_NORMANAMOUNT	number		The Norman Amount is a calculated prognosis of the cumulative cost for investing 1000 monetary units per month for 10 consecutive years in a Mutual Fund.
18	MDF_F_NUMASKORDERS	number	5,0	The number of ask orders on the current level
422	MDF_F_NUMBEROFPREFSHARES	number		The number of issued preference shares
104	MDF_F_NUMBEROFSHARES	number		The number of issued stem shares
105	MDF_F_NUMBEROFSHARESDelta	number		The change of the number of shares, can be negative if the number of shares is decreased.
17	MDF_F_NUMBIDORDERS	number	5,0	The number of bid orders on the current level
242	MDF_F_NUMEMPLOYEES	number		The number of employees at the company
37	MDF_F_NUMTRADES	number	20,0	The number of executed trades during the current trading session
367	MDF_F_OFFBOOKQUANTITY	number	20,0	The cumulative number of traded shares or contracts of shares for Off-Book trades.
368	MDF_F_OFFBOOKTURNOVER	number	38,7	The cumulative amount traded (e.g. price * quantity), expressed in units of currency of trades for Off-Book trades.
107	MDF_F_OLDSHARES	number		The number of old shares needed for each new share. I.e for a split or new emission where the ratio is 'new:old'.
427	MDF_F_ONGOINGCHARGE	number	19,7	The Ongoing Charge represents the costs you can reasonably expect to pay as an investor from one year to the next, encompasses the fund's professional fees, management fees, audit fees and custody fees.
260	MDF_F_OPENINTEREST	number	13,6	The Derivative Open Interest
39	MDF_F_OPENPRICE	number	19,7	First paid price during the current trading session
77	MDF_F_OPENYIELD	number		First paid yield during the current trading session

189	MDF_F_OPERATINGCASHFLOW	number	19,7	The cash generated from the operations of a company, generally defined as revenues less all operating expenses, but calculated through a series of adjustments to net income.
615	MDF_F_OPERATINGMIC	string	4	Identifier for the Market place according to ISO 10383
136	MDF_F_ORDERBACKLOG	number		The estimated sales value of unfilled, confirmed customer orders for products and services at the time of the accounting period.
695	MDF_F_ORDERID	number	20,0	A reference that in combination with insref uniquely identifies this order.
696	MDF_F_ORDERIDSOURCE			A reference that uniquely identifies this order. The value comes directly from the exchange and depending upon exchange the value is only unique if combined with insref, side and date. Also do note that not all exchanges have such a identifier so presence of this field is not guaranteed.
135	MDF_F_ORDERINTAKE	number		All orders which where legally concluded during the respective accounting period under review and also come into effect.
16	MDF_F_ORDERLEVEL	number	5,0	Current level of the MBL order
705	MDF_F_ORDERPARTICIPANT	string	4	Exchange member firm that made the MBO order.
706	MDF_F_ORDERPRICE	number		Price of the MBO order.
697	MDF_F_ORDERPRIORITY	number	20,0	The order with the lowest value of OrderPriority has the highest priority.
704	MDF_F_ORDERSIDE	enum		Defines the order side for a MBO order: <ul style="list-style-type: none"> • 0 – Bid (Buy) • 1 – Ask (Sell/Offer)
707	MDF_F_ORDERQUANTITY	number		Quantity of the MBO order.
171	MDF_F_ORGNUM	string	12	A unique identifier for Swedish businesses assigned by Bolagsverket. https://foretagsfakta.bolagsverket.se/fpl-dft-ext-web/home.seam
619	MDF_F_ORGNUMNO	number	9	A unique identifier for Norwegian businesses assigned by Brønnøysundregistrene. https://www.brreg.no/home/
221	MDF_F_OTHERCURRENTASSET	number		A balance sheet item: A balance sheet item that includes the value of non-cash assets due within one year
379	MDF_F_OTHERFINANCIALEXPENSE	number	19,7	An income statement item: **TODO**
377	MDF_F_OTHERFINANCIALINCOME	number	19,7	An income statement item: **TODO**
223	MDF_F_OTHERRECEIVABLES	number		A balance sheet item: **TODO**
410	MDF_F_OUTSTANDINGAMOUNT	number	16,6	The outstanding amount for example

				Premium/Lottery Bonds.
361	MDF_F_PARTICIPATIONRATE	number		The percentage rate of the performance of the underlying asset which will be used to calculate the return when a product reaches its maturity.
68	MDF_F_PASSWORD	string		Client password credential
112	MDF_F_PAYMENTDATE	date		The date on which the dividend will be paid out by the company
176	MDF_F_PER	number		P/E Ratio
309	MDF_F_PERFORMANCEFEE	number		
109	MDF_F_PERIOD	string	19	For Fundamentals this is a normal date, i.e it can be YYYY, YYYY-Qx, YYYY-Hx, YYYY-Tx and YYYY-MM. For CorporatActions this is used as the Subscription Period and is in the: 'YYYYMMDD - YYYYMMDD' format.
121	MDF_F_PLUSPAID	number	10,0	Total amount of increased paid prices compared to yesterdays closing prices.
209	MDF_F_POSTALCODE	string		Postal Code
129	MDF_F_PRETAXPROFIT	number		An income statement item: Earnings for the period before all tax adjustments.
701	MDF_F_RHO	number		Black-Scholes Rho
192	MDF_F_PRICETOADJUSTEDEQUITY	number		The current share price divided by the Adjusted Equity
191	MDF_F_PRICETOCASHFLOW	number		The current share price divided by the Operating Cash Flow
348	MDF_F_PRICETYPE	uint		Defines how the instrument is traded. Valid values: <ul style="list-style-type: none"> ● 0 – Price (Monetary) ● 1 – Yield ● 2 – Percentage ● 3 – NAV ● 4 – Points ● 5 – Basis Points
428	MDF_F_PRICINGFREQUENCY	uint		Defines the pricing frequency. Valid values: <ul style="list-style-type: none"> ● 0 – Annual ● 1 – Semi-Annual ● 2 – Quarterly ● 3 – Monthly ● 4 – Weekly ● 5 – Daily
444	MDF_F_PRIIP00010	string		00010_Portfolio_Issuer_Name
445	MDF_F_PRIIP00020	string		00020_Portfolio_Guarantor_Name
446	MDF_F_PRIIP00030	string		00030_Portfolio_Identifying_Data
447	MDF_F_PRIIP00040	uint		00040_Type_Of_Identification_Code_For_The_Fund_Share_Or_Portfolio. Valid values: <ul style="list-style-type: none"> ● 1 – ISIN ● 2 – CUSIP

				<ul style="list-style-type: none"> ● 3 – SEDOL ● 4 – WKN ● 5 – Bloomberg Ticker ● 6 – BBGID ● 7 – Reuters RIC ● 8 – FIGI ● 9 – Other code by members of the Association of National Numbering Agencies ● 99 – Code attributed by the undertaking
448	MDF_F_PRIIP00050	string	255	00050_Portfolio_Name
449	MDF_F_PRIIP00060	string	3	00060_Share_Class_Currency according to ISO 4217
451	MDF_F_PRIIP00080	number	1	00080_Portfolio_PRIIPS_Category. Valid values: 1 to 4
452	MDF_F_PRIIP00090	string	4	00090_Fund_CIC_code
453	MDF_F_PRIIP00100	string	1	00100_EOS_portfolio. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No
454	MDF_F_PRIIP01010	uint		01010_Valuation_Frequency. Valid values: <ul style="list-style-type: none"> ● 0 – Other than ● 1 – Annual ● 2 – Biannual ● 4 – Quarterly ● 12 – Monthly ● 24 – Bimonthly ● 52 – Weekly ● 104 – Biweekly ● 252 – Daily
455	MDF_F_PRIIP01020	number		01020_Portfolio_VEV_Reference
456	MDF_F_PRIIP01030	string	1	01030_IS_Flexible. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No
457	MDF_F_PRIIP01040	number		01040_Flex_VEV_Historical
458	MDF_F_PRIIP01050	number		01050_Flex_VEV_Ref_Asset_Allocation
459	MDF_F_PRIIP01060	string	1	01060_IS_Risk_Limit_Relevant. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No
460	MDF_F_PRIIP01070	number		01070_Flex_VEV_Risk_Limit
461	MDF_F_PRIIP01080	string	1	01080_Existing_Credit_Risk. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No
462	MDF_F_PRIIP01090	number	1	01090_SRI. Valid values: 1-7
463	MDF_F_PRIIP01100	number	1	01100_MRM. Valid values: 1-7
464	MDF_F_PRIIP01110	number	1	01110_CRM. Valid values: 1-6
465	MDF_F_PRIIP01120	number		01120_Recommended_Holding_Period
467	MDF_F_PRIIP01140	string	1	01140_Liquidity_Risk. Valid values: <ul style="list-style-type: none"> ● M – Material liquidity risk

				<ul style="list-style-type: none"> ● I – Illiquid ● L – No liquidity issue
468	MDF_F_PRIIP02010	number		02010_Portfolio_return_unfavorable_scenario_1_year
469	MDF_F_PRIIP02020	number		02020_Portfolio_return_unfavorable_scenario_half_RHP
470	MDF_F_PRIIP02030	number		02030_Portfolio_return_unfavorable_scenario_RHP
471	MDF_F_PRIIP02040	number		02040_Portfolio_return_moderate_scenario_1_year
472	MDF_F_PRIIP02050	number		02050_Portfolio_return_moderate_scenario_half_RHP
473	MDF_F_PRIIP02060	number		02060_Portfolio_return_moderate_scenario_RHP
474	MDF_F_PRIIP02070	number		02070_Portfolio_return_favorable_scenario_1_year
475	MDF_F_PRIIP02080	number		02080_Portfolio_return_favorable_scenario_half_RHP
476	MDF_F_PRIIP02090	number		02090_Portfolio_return_favorable_scenario_RHP
477	MDF_F_PRIIP02100	number		02100_Portfolio_return_stress_scenario_1_year
478	MDF_F_PRIIP02110	number		02110_Portfolio_return_stress_scenario_half_RHP
479	MDF_F_PRIIP02120	number		02120_Portfolio_return_stress_scenario_RHP
480	MDF_F_PRIIP02130	number		02130_Portfolio_number_of_observed_return_M0
481	MDF_F_PRIIP02140	number		02140_Portfolio_mean_observed_returns_M1
482	MDF_F_PRIIP02150	number		02150_Portfolio_observed_Sigma
483	MDF_F_PRIIP02160	number		02160_Portfolio_observed_Skewness
484	MDF_F_PRIIP02170	number		02170_Portfolio_observed_Excess_Kurtosis
485	MDF_F_PRIIP02180	number		02180_Portfolio_observed_Stressed_Volatility
486	MDF_F_PRIIP03010	number		03010_One_off_cost_Portfolio_entry_cost
487	MDF_F_PRIIP03015	number		03015_One_off_cost_Portfolio_entry_cost_Acquired
488	MDF_F_PRIIP03020	number		03020_One_off_costs_Portfolio_exit_cost_at_RHP
489	MDF_F_PRIIP03030	number		03030_One_off_costs_Portfolio_exit_cost_at_1_year
490	MDF_F_PRIIP03040	number		03040_One_off_costs_Portfolio_exit_cost_at_half_RHP
491	MDF_F_PRIIP03050	string	1	03050_One_off_costs_Portfolio_sliding_exit_cost_Indicator. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No
492	MDF_F_PRIIP03060	number		03060_Ongoing_costs_Portfolio_other_costs
493	MDF_F_PRIIP03070	number		03070_Ongoing_costs_Portfolio_management_co

				sts
494	MDF_F_PRIIP03080	number		03080_Ongoing_costs_Portfolio_transaction_costs
495	MDF_F_PRIIP03090	string	1	03090_Existing_performance_fees. Valid values: ● Y – Yes ● N – No
496	MDF_F_PRIIP03095	number		03095_Incidental_costs_Portfolio_performance_fees
497	MDF_F_PRIIP03100	string	1	03100_Existing_carried_interest_fees. Valid values: ● Y – Yes ● N – No
498	MDF_F_PRIIP03105	number		03105_Incidental_costs_Portfolio_carried_interest
500	MDF_F_PRIIP04020	string	1	04020_Comprehension_Alert_Portfolio. Valid values: ● Y – Yes ● N – No
501	MDF_F_PRIIP04030	string	750	04030_Intended_target_market_retail_investor_Portfolio
502	MDF_F_PRIIP04040	string	2500	04040_Investment_objective_Portfolio
503	MDF_F_PRIIP04050	string	300	04050_Risk_narrative_Portfolio
504	MDF_F_PRIIP04060	string	200	04060_Other_materially_relevant_risk_narrative_Portfolio
505	MDF_F_PRIIP04070	string	300	04070_Type_of_underlying_Investment_Option
506	MDF_F_PRIIP04080	string	1	04080_Capital_Guarantee. Valid values: ● Y – Yes ● N – No
507	MDF_F_PRIIP04081	number		04081_Capital_Guarantee_Level
508	MDF_F_PRIIP04082	string	300	04082_Capital_Guarantee_Limitations
509	MDF_F_PRIIP04083	date		04083_Capital_Guarantee_Early_Exit_Conditions
510	MDF_F_PRIIP04084	string	2500	04084_Capital_guarantee_Portfolio
511	MDF_F_PRIIP04085	number		04085_Possible_maximum_loss_Portfolio
512	MDF_F_PRIIP04090	string	300	04090_Portfolio_Performance_Fees_Narrative
513	MDF_F_PRIIP04100	string	300	04100_Portfolio_Carried_Interest_Narrative
514	MDF_F_PRIIP04110	string		04110_Other_comment
515	MDF_F_PRIIP05010	string	1	05010_PRIIP_data_delivery. Valid values: ● Y – Yes ● N – No
516	MDF_F_PRIIP05020	string	1	05020_UCITS_data_delivery. Valid values: ● Y – Yes ● N – No
517	MDF_F_PRIIP05030	number	1	05030_Portfolio_UCITS_SRRI. Valid values: 1-7
518	MDF_F_PRIIP05040	number		05040_Portfolio_UCITS_Vol

519	MDF_F_PRIIP05050	number		05050_Ongoing_costs_Portfolio_other_costs_UCITS
520	MDF_F_PRIIP05060	number		05060_Ongoing_costs_Portfolio_transaction_costs
521	MDF_F_PRIIP05065	string		05065_Transactions_costs_methodology
522	MDF_F_PRIIP05070	number		05070_Incidental_costs_Portfolio_performance_fees_UCITS
523	MDF_F_PRIIP05080	number		05080_Incidental_costs_Portfolio_carried_interest_UCITS
528	MDF_F_PRIIP06010	number		06010_Bonds_Weight
529	MDF_F_PRIIP06020	number		06020_Annualized_Return_Volatility
530	MDF_F_PRIIP06030	number		06030_Duration_Bonds
531	MDF_F_PRIIP06040	string	1	06040_Existing_Capital_Preservation. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No
532	MDF_F_PRIIP06050	number		06050_Capital_Preservation_Level
533	MDF_F_PRIIP06060	string	10	06060_Time_Interval_Maximum_Loss. Valid values: <ul style="list-style-type: none"> ● 1 – Annual ● 2 – Biannual ● 4 – Quarterly ● 12 – Monthly ● 24 – Bimonthly ● 52 – Weekly ● 104 – Biweekly ● 252 – Daily ● YYYY-MM-DD – Fixed date
534	MDF_F_PRIIP06070	string	1	06070_Uses_PI. Valid values: <ul style="list-style-type: none"> ● Y – Yes ● N – No
535	MDF_F_PRIIP06080	number		06080_Multiplier_PI
536	MDF_F_PRIIP07010	number		07010_Total_cost_1_year
537	MDF_F_PRIIP07020	number		07020_RIY_1_year
538	MDF_F_PRIIP07030	number		07030_Total_cost_half_RHP
539	MDF_F_PRIIP07040	number		07040_RIY_half_RHP
540	MDF_F_PRIIP07050	number		07050_Total_cost_RHP
541	MDF_F_PRIIP07060	number		07060_RIY_RHP
542	MDF_F_PRIIP07070	number		07070_One_off_costs_Portfolio_entry_cost_RIY
543	MDF_F_PRIIP07080	number		07080_One_off_costs_Portfolio_exit_cost_RIY
544	MDF_F_PRIIP07090	number		07090_Ongoing_costs_Portfolio_transaction_costs_RIY
545	MDF_F_PRIIP07100	number		07100_Ongoing_costs_Other_ongoing_costs_RIY
546	MDF_F_PRIIP07110	number		07110_Incidental_costs_Portfolio_performance_f

				ees_RIY
547	MDF_F_PRIIP07120	number		07120_Incidental_costs_Portfolio_carried_interests_RIY
320	MDF_F_PRIMARYMARKETPLACE	insref		Insref of the primary marketplace for the instrument.
142	MDF_F_PROFITBEFOREWACL	number		Profit before write-offs and credit losses
433	MDF_F_PRODUCTCODE	string	255	The product code for derivatives
145	MDF_F_PROPERTYMGMPRESULT	number		Property management result
257	MDF_F_PROSPECTUS	string	65535	URL to the prospectus
230	MDF_F_PROVISIONS	number		A balance sheet item: **TODO**
177	MDF_F_PSR	number		P/S ratio
306	MDF_F_PURCHASEFEE	number	19,7	
10	MDF_F_QUANTITY	number	20,8	The cumulative number of traded shares or contracts of shares
32	MDF_F_QUOTECURRENCY	string	4	The second currency in a currency pair
434	MDF_F_QUOTINGTYPE	uint		Defines how prices are determined. Valid values: <ul style="list-style-type: none"> ● 0 – Order Driven Market (Automatch) ● 1 – Quote Driven Market (OTC) ● 2 – Indicative / Calculated
111	MDF_F_RECORDDATE	date		The date established by an issuer of a security for the purpose of determining the holders who are entitled to receive a dividend or distribution.
146	MDF_F_REALIZEDCHGPROP	number		Realized changes in value of properties
187	MDF_F_REDEMPTIONPRICE	number		The price with which the instruments shares will be redeemed.
144	MDF_F_RENTALINCOME	number		Income received from rental properties
174	MDF_F_RETURNONEQUITY	number		Return On Equity (ROE) measures the rate of return on the ownership interest of the common stock owner.
52	MDF_F_REQUESTCLASS	uint		Defines the request class. Valid values: <ul style="list-style-type: none"> ● 0 – News Headlines ● 1 – Quotes ● 2 – Trades ● 3 – Orders ● 4 – Basic Data ● 5 – Price History ● 6 – Fields Reference ● 7 – Request Insrefs ● 8 – News Content ● 9 – Corporate Actions ● 10 – Trade State ● 11 – Fundamentals ● 12 – Performance ● 13 – Key Ratios ● 14 – Estimates ● 15 – Estimates History ● 16 – Net Order Imbalance Indicator ● 17 – Localization (L10N)

				<ul style="list-style-type: none"> ● 18 – Company Information ● 19 – Company Information History ● 20 - PRIIP ● 21 - MIFID ● 22 - MIFIDHISTORY ● 23 - Mappings <p>It can also contain the single character "*" which means "all Request Classes that I'm entitled for", which works as a wild card request.</p>
49	MDF_F_REQUESTID	<any>		If present in a client request message, the value of this field will be sent with every image response and a Request Finished message will be sent when the image request has been completed in full.
50	MDF_F_REQUESTSTATUS	uint		Status of the request. Valid values: <ul style="list-style-type: none"> ● 100 – The request succeeded ● 101 – The request failed
51	MDF_F_REQUESTTYPE	uint		Defines the request type. For MDF_RC_INSREF requests, this is the number of insrefs wanted. Valid values: <ul style="list-style-type: none"> ● 1 – Image request ● 2 – Stream request ● 3 – Full request
98	MDF_F_S1	string	255	Placeholder for strings. The exact definition is dependent upon context.
179	MDF_F_S2	string	255	
180	MDF_F_S3	string	255	
181	MDF_F_S4	string	255	
182	MDF_F_S5	string	255	
389	MDF_F_S6	string	255	
390	MDF_F_S7	string	255	
391	MDF_F_S8	string	255	
392	MDF_F_S9	string	255	
393	MDF_F_S10	string	255	
442	MDF_F_S11	string	255	
713	MDF_F_S12	string	255	
714	MDF_F_S13	string	255	
715	MDF_F_S14	string	255	
716	MDF_F_S15	string	255	
127	MDF_F_SALES	number		An income statement item: Total sales revenue. The income generated by the company selling it's products and services.
305	MDF_F_SALESFEE	number	19,7	
188	MDF_F_SECTOR	list		List of links to classification sector instruments the instrument belongs to.

527	MDF_F_SECTORMEMBERS	list		List of the insrefs that are connected with this sector instrument.
409	MDF_F_SEQUENCE	number	10,0	Defines the order of events for multiple events on the same date.
118	MDF_F_SERVERDATE			Date on the server at logon time
116	MDF_F_SERVERNAME	string	20	Name of the server
117	MDF_F_SERVERTIME	time		Time on the server at logon time
340	MDF_F_SETTLEMENTTYPE	uint		Defines the Settlement Type. Valid values: <ul style="list-style-type: none"> ● 1 – Cash ● 2 – Physical ● 3 – Any
303	MDF_F_SHARPERATION3Y	number	19,7	
228	MDF_F_SHEQUITY	number		A balance sheet item: Shareholders Equity. A firm's total assets minus its total liabilities
322	MDF_F_SHORTDESCRIPTION	string	512	Company Description, short
224	MDF_F_SHORTTERMINV	number		A balance sheet item: Any investments that a company has made that will expire within one year
97	MDF_F_SOURCE	string		
246	MDF_F_SOURCEID	string	32	The instrument identifier used by the marketplace to uniquely identify the instrument
125	MDF_F_SPECIALCONDITION	bitfield		Specifies the special condition for the instrument. Valid values: <ul style="list-style-type: none"> ● 1 – Under Observation ● 2 – Knocked Out ● 4 – Stressed Market Condition ● 8 – Exceptional Market Condition ● 16 – Underlying Not Quoted
301	MDF_F_STANDARDDEVIATION3Y	number	19,7	
34	MDF_F_STRIKEDATE	date		The day on which an option or futures contract is no longer valid
35	MDF_F_STRIKEPRICE	number		The stated price per unit for which the underlying instrument may be purchased (for a call) or sold (for a put) by the option holder upon exercise of the option contract.
499	MDF_F_SUBMARKET	insref		Link to the Submarket instrument
108	MDF_F_SUBSCRIPTIONPRICE	number		The subscription price
21	MDF_F_SYMBOL	string		The symbol
211	MDF_F_TELEPHONE	string		Telephone number
712	MDF_F_TENOR	string	5	Specifies the time to maturity of the instrument. Valid values: <ul style="list-style-type: none"> ● 30 – 30 Days ● 60 – 60 Days ● 90 – 90 Days ● 180 – 180 Days ● 270 – 270 Days ● 365 – 365 Days

				<ul style="list-style-type: none"> ● 3M – 3 Months ● 1Y – 1 Year ● 2Y – 2 Years ● 3Y – 3 Years ● 4Y – 4 Years ● 5Y – 5 Years ● 6Y – 6 Years ● 7Y – 7 Years ● 8Y – 8 Years ● 9Y – 9 Years ● 10Y – 10 Years
2	MDF_F_TEXTBODY	string		The news item text body
702	MDF_F_THETA	number		Black–Scholes Theta
347	MDF_F_TICKSIZES	tabular		Specifies the tick sizes for the tick table. Each row contains these columns: <ul style="list-style-type: none"> ● Threshold ● Increment
346	MDF_F_TICKTABLE	insref		Link to the Tick Table instrument
114	MDF_F_TID	number	19,7	Taxable Incomer per Distribution
4	MDF_F_TIME	time		The event time
95	MDF_F_TIS	number	19,7	Taxable Income per Share
140	MDF_F_TOOPERATINGEXPENSES	number		Total operating expenses
141	MDF_F_TOOPERATINGINCOME	number		Total operating income
227	MDF_F_TOTALASSETS	number		A balance sheet item: The sum of current and long-term assets owned by the company
316	MDF_F_TOTALFEE	number		
235	MDF_F_TOTLIABILITIES	number		Total Liabilities is the total of all liabilities
233	MDF_F_TOTSHEQLIABILITIES	number		A balance sheet item: Total Shareholders Equity and Liabilities.
623	MDF_F_TRACKINGERROR	number		Tracking error is the divergence between the price behavior of a position or a portfolio and the price behavior of a benchmark. Tracking error is reported as a standard deviation percentage difference, which reports the difference between the return an investor receives and that of the benchmark he was attempting to imitate.
436	MDF_F_TRADEAGREEMENTDATE	date		The date of the Agreement Time for off-book trades
435	MDF_F_TRADEAGREEMENTTIME	time		The Agreement Time for off-book trades
60	MDF_F_TRADEBUYER	string	64	Identifies the counterpart that bought the instrument
72	MDF_F_TRADECANCELTIME	time		Time of when the trade was canceled
15	MDF_F_TRADECODE	uint		Specifies the trade condition, valid values: <ul style="list-style-type: none"> ● 1024 – Dark Pool ● 512 – Delayed Dissemination ● 256 – Odd Lot ● 128 – Trade updates Last Price

				<ul style="list-style-type: none"> ● 64 – Trade updates Quantity and Turnover ● 32 – Trade updates Day High Price and Day Low Price ● 16 – Trade Break (cancelled trade) ● 8 – Correction ● 4 – Off-Book ● 2 – Outside Spread ● 1 – Off-Hours
30	MDF_F_TRADECURRENCY	string	4	The currency the instrument trades in
315	MDF_F_TRADEDTHROUGHDATE	date		The last trading date for the instrument
12	MDF_F_TRADEPRICE	number	20,8	Trade price
13	MDF_F_TRADEQUANTITY	number	20,8	The number of shares or contracts traded
14	MDF_F_TRADEREFERENCE	string	64	A reference that uniquely identifies this trade. The string comes directly from the exchange and for some exchanges the string is only unique if combined with insref.
61	MDF_F_TRADESELLER	string	64	Identifies the counterparty that sold the instrument
126	MDF_F_TRADESTATE	uint		Defines the current trade state. Valid values: <ul style="list-style-type: none"> ● 0 – Closed ● 1 – Pre-Trade (Order mngmt allowed) ● 2 – Pre-Open (Order mngmt forbidden) ● 3 – Call Auction (Opening) ● 4 – Uncrossing ● 5 – Continuous Trading ● 6 – Post-Trade ● 7 – Suspended ● 8 – Halted ● 9 – Dead (used by MDA and MWS) ● 10 – Trading against fixed price ● 11 – Call Auction (Closing) ● 12 – Call Auction (Intraday) ● 13 – Volatility Interruption/Auction ● 14 – Closing Price Crossing (A trading session where orders will be matched at an already determined closing price) ● 15 – Opening Auction Extension ● 16 – Closing Auction Extension ● 17 – Trading Pause Static ● 18 – Trading Pause Dynamic ● 19 – Pre-Market Trading ● 20 – After-Market Trading ● 21 – Static Price Collar Reached ● 22 - Post-market Crossing
36	MDF_F_TRADETIME	time		Execution time of the trade
71	MDF_F_TRADETYPE	string	10	The type of the trade as reported by the market place.
201	MDF_F_TRADEYIELD	number	13,6	Trade Yield
11	MDF_F_TURNOVER	number	38,7	The cumulative amount traded (e.g. price * quantity), expressed in units of currency.
292	MDF_F_UCITS	uint		Defines the compliance level with the

				Undertakings for Collective Investments in Transferable Securities directive. NULL indicates no compliance, '1' indicates compliance with UCITS I, '2' with UCITS II etc
120	MDF_F_UNCHANGEDPAID	number	10,0	Total amount of unchanged paid prices compared to yesterdays closing prices.
66	MDF_F_UNDERLYINGID	tabular		Specifies the underlying instruments for a instrument. Each row contains these columns: <ul style="list-style-type: none"> ● ISIN (matches the value in MDF_F_ISIN of the underlying instrument) ● currency (optional)
147	MDF_F_UNREALIZEDCHGPROP	number		Unrealized change in value of properties
67	MDF_F_USERNAME	string		Client user name credential
703	MDF_F_VEGA	number		Black-Scholes Vega
438	MDF_F_VOLUMEDIMENSION	uint		Defines the volume dimension. Valid values: <ul style="list-style-type: none"> ● 0 – Quantity ● 1 – Nominal
202	MDF_F_VOTINGPOWERPRC	number	5,2	The voting power in percentage controlled by the major holder
123	MDF_F_VWAP	number	19,7	Volume Weighted Average Price
170	MDF_F_WEBSITE	string		Link to the company web site
291	MDF_F_WKN	string	6	The Wertpapierkennnummer as assigned by WM-Datenservice, the NNA for Germany
618	MDF_F_YTUNNUS	string	9	Y-Tunnus/FO-Nummer is a unique identifier assigned to Finnish businesses by the Finnish Patent and Registration Office and the Finnish Tax Administration. https://tietopalvelu.ytj.fi/yrityshaku.aspx?kielikoodi=3

Changelog

- 2021-09-17** *Extended MDF_M_TENOR.*
- 2021-07-21** *Added MDF_F_S12, MDF_F_S13, MDF_F_S14, MDF_F_S15, MDF_F_N6, MDF_F_N7, MDF_F_N8, MDF_F_N9, MDF_F_N10, MDF_F_I6, MDF_F_I7, MDF_F_I8, MDF_F_I9, MDF_F_I10, MDF_F_INSREF1, MDF_F_INSREF2, MDF_F_INSREF3, MDF_F_INSREF4 and MDF_F_INSREF5.*
- 2021-04-28** *Extended MDF_M_INSTRUMENTSUBTYPE.*
- 2021-01-14** *Extended MDF_F_INSTRUMENTTYPE. Added MDF_F_TENOR.*
- 2020-11-24** *Added MDF_M_QUOTEBO.*
- 2020-11-23** *Added MDF_F_EXPIRATIONTYPE.*
- 2020-11-19** *Added MDF_F_DAYCOUNTCONVENTION.*

- 2020-11-13** *Extended MDF_F_PRICETYPE. Added MDF_F_IVBID and MDF_F_IVASK.*
- 2020-10-16** *Added MDF_F_ORDERSIDE, MDF_F_ORDERPARTICIPANT, MDF_F_ORDERPRICE and MDF_F_ORDERQUANTITY.*
- 2020-10-09** *Added MDF_F_IV, MDF_F_DELTA, MDF_F_GAMMA, MDF_F_RHO, MDF_F_THETA and MDF_F_VEGA.*
- 2020-09-19** *Extended MDF_F_EXERCISETYPE.*
- 2020-08-11** *Added MDF_F_ORDERID, MDF_F_ORDERIDSOURCE and MDF_F_ORDERPRIORITY.*
- 2020-04-09** *Extended MDF_F_SPECIALCONDITION.*
- 2020-03-18** *Extended MDF_F_CASUBTYPE.*
- 2020-03-04** *Extended MDF_F_INSTRUMENTSUBTYPE.*
- 2020-03-03** *Added MDF_F_COUPONFREQUENCY.*
- 2020-01-16** *Added MDF_F_FIGISECURITYTYPE.*
- 2019-11-27** *Changed MDF_F_CASUBTYPE for calendar events from “annual” to “year end”.*
- 2019-09-23** *Added MDF_F_FIGI, MDF_F_FIGICOMPOSITE, MDF_F_FIGISHARECLASS and MDF_F_MMO.*
- 2019-10-22** *Extended MDF_F_NEWSCODINGTYPE, MDF_F_INSTRUMENTSUBTYPE.*
- 2019-09-23** *Added MDF_F_MIFID00001, MDF_F_MIFID00005, MDF_F_MIFID00006, MDF_F_MIFID00007, MDF_F_MIFID00008, MDF_F_MIFID00045, MDF_F_MIFID00047, MDF_F_MIFID00067, MDF_F_MIFID00068, MDF_F_MIFID00069, MDF_F_MIFID00073, MDF_F_MIFID00074, MDF_F_MIFID00075, MDF_F_MIFID00085, MDF_F_MIFID00095, MDF_F_MIFID00096, MDF_F_MIFID00110, MDF_F_MIFID00120, MDF_F_MIFID00130, MDF_F_MIFID01000, MDF_F_MIFID05105, MDF_F_MIFID05115, MDF_F_MIFID07025, MDF_F_MIFID07101, MDF_F_MIFID07105, MDF_F_MIFID07150, MDF_F_MIFID07155, MDF_F_MIFID07160, MDF_F_MIFID08015, MDF_F_MIFID08025, MDF_F_MIFID08045, MDF_F_MIFID08046, MDF_F_MIFID08085, MDF_F_MIFID08110, MDF_F_MIFID08120.*
- 2019-08-06** *Extended MDF_F_TRADESTATE.*
- 2019-07-31** *Extended MDF_F_CROSSTYPE.*
- 2019-06-20** *Extended MDF_F_INSREFLIST and MDF_F_REQUESTCLASS.*
- 2019-06-18** *Clarified the format of MDF_F_PERIOD.*
- 2019-05-23** *Modified the length of MDF_F_ISSUECURRENCY, MDF_F_TRADECURRENCY, MDF_F_QUOTECURRENCY and MDF_F_BASECURRENCY from 3 to 4 to be able to support the new crypto currencies.
Added MDF_F_SUBMARKET.
Extended MDF_F_INSTRUMENTTYPE.
Extended MDF_F_UNDERLYINGID.*
- 2019-03-20** *Added MDF_F_SECTORMEMBERS and MDF_M_MAPPINGS.*
- 2019-01-07** *Added MDF_F_HIGHPRICE3Y, MDF_F_HIGHPRICE5Y, MDF_F_HIGHPRICE10Y, MDF_F_LOWPRICE3Y, MDF_F_LOWPRICE5Y and MDF_F_LOWPRICE10Y.*
- 2018-12-18** *Added MDF_F_ACTIVESHARE and MDF_F_TRACKINGERROR.*
- 2018-11-22** *Added MDF_F_NEWSIDREPLACE.*
- 2018-11-20** *Added MDF_M_MIFIDHISTORY.*
- 2018-10-23** *Added MDF_F_NEWSCODINGIMPACT and MDF_F_NEWSCODINGTAGS.*

- 2018-08-23** *Extended MDF_F_TRADESTATE.*
- 2018-07-17** *Added MDF_F_CVR, MDF_F_KENNITALA, MDF_F_YTUNNUS and MDF_F_ORGNUMNO.*
- 2018-02-23** *Added MDF_F_OPERATINGMIC.*
- 2018-01-08** *Extended MDF_F_PRICETYPE.*
- 2017-11-13** *Extended MDF_F_CASUBTYPE.*
- 2017-11-07** *Changed MDF_F_UNDERLYINGID to 'tabular' from 'string'.
Rearranged the MDF_F_PRIIPxxxxx and MDF-F_MIFIDxxxxx fields.*
- 2017-11-04** *Added MDF_F_FISN and MDF_F_LEI.*
- 2017-11-03** *Added MDF_F_MMT.*
- 2017-11-02** *Added 55 MDF_F_PRIIPxxxxx and 25 MDF_F_MIFIDxxxxx fields.*
- 2017-09-21** *Changed description for MDF_F_CASHFLOWBWC.*
- 2017-08-17** *Extended MDF_F_SPECIALCONDITION.*
- 2017-08-15** *Extended MDF_F_TRADESTATE.
Changed the "time" data type to support nanoseconds resolution as of 2018-01-01.*
- 2017-04-21** *Extended MDF_F_INSTRUMENTSUBTYPE.*
- 2017-02-20** *Added MDF_F_CIK.*
- 2016-11-18** *Added MDF_F_NORMANAMOUNT, MDF_F_CSR and MDF_F_S11.*
- 2016-11-10** *Extended the document with the Message References.*
- 2016-10-06** *Added MDF_F_NEWSCODINGREGULATORY.*
- 2016-09-06** *Extended MDF_F_TRADECODE and MDF_F_SPECIALCONDITION.*
- 2016-09-05** *Extended MDF_F_INSTRUMENTSUBTYPE.*
- 2016-08-24** *Added MDF_F_LATESTYEARENDREPORT, MDF_F_NETDIVIDEND and MDF_F_NUMBEROFPREFSHARES.*
- 2016-08-11** *Extended MDF_F_TRADESTATE.*
- 2016-06-08** *Added MDF_F_VOLUMEDIMENSION.*
- 2016-05-10** *Extended MDF_F_TRADESTATE.*
- 2016-04-25** *Extended MDF_F_REQUESTCLASS.*
- 2016-04-20** *Added MDF_F_TRADEAGREEMENTDATE and MDF_F_TRADEAGREEMENTTIME.*
- 2016-02-03** *Added MDF_F_PRODUCTCODE and MDF_F_QUOTINGTYPE.*
- 2015-12-08** *Added MDF_F_CLOSEPRICETYPE and MDF_F_CLOSETRADEPRICE.
Changed description for MDF_F_CLOSEPRICE.
Extended MDF_F_CITYPE and MDF_F_CISUBTYPE.*
- 2015-11-19** *Extended MDF_F_INSTRUMENTSUBTYPE.*
- 2015-11-17** *Added MDF_F_MARKETOPENDAYS.
Added the "bitfield" data type.*
- 2015-11-12** *Added MDF_F_LEGALSTRUCTURE, MDF_F_ONGOINGCHARGE and MDF_F_PRICINGFREQUENCY.*
- 2015-09-21** *Added MDF_F_SPECIALCONDITION*
- 2015-09-07** *Added MDF_F_MARKETOPEN, MDF_F_MARKETCLOSE and MDF_F_MARKETEARLYCLOSE.*

- 2015-05-26** *Extended MDF_F_NEWSCODINSUBJECT*
- 2014-12-11** *Extended MDF_F_NEWSCODINGTYPE*
- 2014-12-05** *Added MDF_F_OUTSTANDINGAMOUNT, MDF_F_INTERESTRATE and MDF_F_MARKETMAKER.*
- 2014-10-23** *Extended MDF_F_DERIVATIVEINDICATOR.*
- 2014-09-23** *Added MDF_F_Sx, MDF_F_Nx, MDF_F_Ix, MDF_F_CITYPE, MDF_F_CISUBTYPE and MDF_F_SEQUENCE.*
- 2014-08-28** *Added MDF_F_ANNUALIZEDRETURN1Y, MDF_F_ANNUALIZEDRETURN2Y and MDF_F_ANNUALIZEDRETURN4Y.*
- 2014-05-23** *Changed the "time" data type to support millisecond resolution.*
- 2014-05-08** *Extended MDF_F_TRADESTATE.*
- 2014-02-28** *Removed MDF_F_DIVIDENDPORIGINAL.*
- 2014-01-24** *Added MDF_F_MAXLEVEL.*
- 2014-01-21** *Removed MDF_F_ORDERINTAKE, MDF_F_ORDERBACKLOG, MDF_F_NETINTERESTINCOME, MDF_F_NETFEEANDCOMINCOME, MDF_F_TOPERATINGEXPENSES, MDF_F_TOPERATINGINCOME, MDF_F_PROFITBEFOREWACL, MDF_F_CREDITLOSS, MDF_F_RENTALINCOME, MDF_F_PROPERTYMGMTRESULT, MDF_F_REALIZEDCHGPROP, MDF_F_UNREALIZEDCHGPROP, MDF_F_RETURNONEQUITY, MDF_F_ADJUSTEDEQUITY and MDF_F_TOTLIABILITIES.*

Added MDF_F_INTERESTINCOME, MDF_F_OTHERFINANCIALINCOME, MDF_F_INTERESTEXPENSE, MDF_F_OTHERFINANCIALEXPENSE, MDF_F_MINORITYINTERESTRES, MDF_F_ACCOUNTSPAYABLE, MDF_F_EVENTLINK, MDF_F_EVENTLINKLANGUAGES.
- 2013-12-02** *Extended MDF_F_PRICETYPE.*
- 2013-09-20** *Extended MDF_F_INSTRUMENTSUBTYPE.*
- 2013-09-11** *Added MDF_F_BROKERS.*
- 2013-09-03** *Extended MDF_F_CROSSTYPE.*
- 2013-08-13** *Extended MDF_F_FUNDLEVERAGE.*
- 2013-05-10** *Extended MDF_F_TRADECODE. Added MDF_F_OFFBOOKQUANTITY, MDF_F_DARKQUANTITY, MDF_F_OFFBOOKTURNOVER, MDF_F_DARKTURNOVER, MDF_F_CLOSEOFFBOOKQUANTITY, MDF_F_CLOSEDARKQUANTITY, MDF_F_CLOSEOFFBOOKTURNOVER and MDF_F_CLOSEDARKTURNOVER.*
- 2013-05-02** *Extended MDF_F_NEWSCODINGSUBJECT.*
- 2013-04-12** *Added MDF_F_CFI.*
- 2013-03-27** *Added MDF_F_KIID.*
- 2013-01-30** *Extended MDF_F_EXTRACREDENTIAL.*
- 2013-01-17** *Added MDF_F_DELETERECORD.*
- 2012-10-26** *Extended MDF_F_INSTRUMENTCLASS.*
- 2012-10-19** *Added MDF_F_FIINSTITUTENUMBER. Extended the description of the tabular data type.*
- 2012-10-08** *Added MDF_F_PARTICIPATIONRATE and MDF_F_ISSUEPRICE.*
- 2012-08-07** *Added MDF_F_FINANCINGLEVEL.*
- 2012-06-08** *Extended MDF_F_TRADESTATE.*

- 2012-03-20** *Added MDF_F_CLOSEBIDPRICE1D, MDF_F_CLOSEBIDPRICE1W, MDF_F_CLOSEBIDYIELD1D, MDF_F_CLOSEBIDYIELD1W, MDF_F_FINANCIALCOST and MDF_F_FINANCIALINCOME.*
- 2012-03-05** *Added MDF_F_CONTRACTVALUE.*
- 2012-02-17** *Added MDF_F_ISSUERNAME and MDF_F_LOGOTYPE.*
- 2012-01-31** *Added MDF_F_ASIA_TAILSTART and MDF_F_ASIA_TAILEND.*
- 2011-12-14** *Added MDF_F_PRICETYPE.*
- 2011-12-12** *Added MDF_F_TICKTABLE and MDF_F_TICKSIZES. Extended MDF_F_INSTRUMENTTYPE.*
- 2011-11-18** *Added MDF_F_IMBALANCE, MDF_F_IMBALANCEDIRECTION and MDF_F_CROSSTYPE.*
- 2011-11-10** *Added MDF_F_CAP.*
- 2011-10-31** *Extended MDF_F_CASUBTYPE.*
- 2011-06-28** *Added MDF_F_CLOSEPRICE2W, MDF_F_CLOSEYIELD2W, MDF_F_CONVERTFROMDATE, MDF_F_CONVERTTODATE, MDF_F_CONVERSIONPRICE and MDF_F_DURATION.*
- 2011-04-20** *Added MDF_F_FIELDUNIT.*
- 2011-03-24** *Extended MDF_F_FIELDTYPE.*
- 2011-03-08** *Added MDF_F_COUNT, MDF_F_AVERAGE, MDF_F_MIN, MDF_F_MAX, MDF_F_FIELDNAME, MDF_F_FIELDASPECT and MDF_F_FIELDTYPE. Removed MDF_F_SEQUENCE_NUMBER.*
- 2011-02-17** *Added MDF_F_SHORTDESCRIPTION, MDF_F_FUNDRISK, MDF_F_EUSIPA and MDF_F_NEWSRANK.*
- 2010-11-26** *Extended MDF_F_CASUBTYPE.*
- 2010-11-10** *Extended MDF_F_CASUBTYPE. Added MDF_F_PRIMARYMARKETPLACE and MDF_F_FISCALPERIOD.*
- 2010-10-26** *Added MDF_F_INSTRUMENTSUBSUBCLASS. Extended MDF_F_INSTRUMENTCLASS and MDF_F_INSTRUMENTTYPE..*
- 2010-10-14** *Added MDF_F_COUPONRATE, MDF_F_COUPONDATE, MDF_F_BARRIERPRICE, MDF_F_STANDARDDEVIATION3Y, MDF_F_ANNUALIZEDRETURN3Y, MDF_F_ANNUALIZEDRETURN5Y, MDF_F_ANNUALIZEDRETURN10Y, MDF_F_STANDARDDEVIATION3Y, MDF_F_MORNINGSTARRATING, MDF_F_SALESFEE, MDF_F_PURCHASEFEE, MDF_F_MINSTARTAMOUNT, MDF_F_MINSUBSCRIPTIONAMOUNT, MDF_F_PERFORMANCEFEE, MDF_F_MINADDITIONALAMOUNT, MDF_F_CEOADMISSIONDATE, MDF_F_CHAIRMANADMISSIONDATE, MDF_F_TRADEDTHROUGHDATE, MDF_F_TOTALFEE, MDF_F_DIVIDENDTYPE and MDF_F_DIVIDENDFREQUENCY*
- 2010-09-27** *Added MDF_F_SETTLEMENTTYPE*
- 2010-09-21** *Extended MDF_F_INSTRUMENTSUBTYPE*
- 2010-06-17** *Added MDF_F_INSTRUMENTCLASS, MDF_F_INSTRUMENTSUBCLASS and MDF_F_CONSTITUENTS*
- 2010-06-14** *Added MDF_F_FUNDBENCHMARKINSREF*
- 2010-06-11** *Added MDF_F_CUSIP, MDF_F_WKN, MDF_F_UCITS and MDF_F_INCEPTIONDATE. Extended MDF_F_INSTRUMENTSUBTYPE.*
- 2010-06-07** *Added MDF_F_ATHYIELD, MDF_F_ATHYIELDDATE, MDF_F_ATLYIELD,*

MDF_F_ATLYIELDDATE, MDF_F_HIGHYIELD1Y, MDF_F_HIGHYIELD1YDATE, MDF_F_LOWYIELD1Y, MDF_F_LOWYIELD1YDATE, MDF_F_HIGHYIELDYTD, MDF_F_HIGHYIELDYTDDATE, MDF_F_LOWYIELDYTD and MDF_F_LOWYIELDYTDDATE

- 2010-06-02** *Added MDF_F_CLOSEYIELD1D, MDF_F_CLOSEYIELD1W, MDF_F_CLOSEYIELD1M, MDF_F_CLOSEYIELD3M, MDF_F_CLOSEYIELD6M, MDF_F_CLOSEYIELD9M, MDF_F_CLOSEYIELD1Y, MDF_F_CLOSEYIELD2Y, MDF_F_CLOSEYIELD3Y, MDF_F_CLOSEYIELD5Y, MDF_F_CLOSEYIELD10Y, MDF_F_CLOSEYIELDWTD, MDF_F_CLOSEYIELDMTD, MDF_F_CLOSEYIELDQTD, MDF_F_CLOSEYIELDYTD, MDF_F_CLOSEYIELDPYTD and MDF_F_CLOSEYIELDLD.*
- 2010-05-11** *Added MDF_F_GENIUMID, MDF_F_CLOSEPRICE3Y, MDF_F_CLOSEPRICELD, MDF_F_FUNDEARLYMGMTFEE, MDF_F_FUNDPMPFEE, MDF_F_FUNDPMPMYPE, MDF_F_FUNDBENCHMARK, MDF_F_FUNDLEVERAGE, MDF_F_FUNDDIRECTION, MDF_F_PROSPECTUS, MDF_F_GEOFOCUSREGION, MDF_F_GEOFOCUSCOUNTRY and MDF_F_OPENINTEREST.*
- 2010-05-06** *Extended MDF_F_TRADESTATE*
- 2010-04-27** *Extended MDF_F_INSTRUMENTUBTYPE*
- 2010-04-19** *Defined lengths for MDF_F_TRADETYPE, MDF_F_TRADEBUYER and MDF_F_TRADESELLER.*
- 2010-02-08** *Added MDF_F_SOURCEID and MDF_F_ISSUER*
- 2010-01-12** *Added MDF_F_CONTRACTSIZE and MDF_F_BASERATIO*
- 2009-11-30** *Extended MDF_F_CATYPE, MDF_F_INSTRUMENTTYPE and MDF_F_INSTRUMENTSUBTYPE.
Added MDF_F_MCAP.*
- 2009-10-30** *Added MDF_F_INTANGIBLEASSET, MDF_F_GOODWILL, MDF_F_FIXEDASSET, MDF_F_FINANCIALASSET, MDF_F_NONCURRENTASSET, MDF_F_INVENTORY, MDF_F_OTHERCURRENTASSET, MDF_F_ACCOUNTSRECEIVABLE, MDF_F_OTHERRECEIVABLES, MDF_F_SHORTTERMINV, MDF_F_CCE, MDF_F_CURRENTASSETS, MDF_F_TOTALASSETS, MDF_F_SHEQUITY, MDF_F_MINORITYINTEREST, MDF_F_PROVISIONS, MDF_F_LTLIABILITIES, MDF_F_CURLIABILITIES, MDF_F_TOTSHEQLIABILITIES, MDF_F_NIBL, MDF_F_TOTLIABILITIES, MDF_F_IBL, MDF_F_CASHFLOWBWC, MDF_F_CASHFLOWAWC, MDF_F_CASHFLOWIA, MDF_F_CASHFLOWFA, MDF_F_CASHFLOWTOTAL, MDF_F_NUMEMPLOYEES.*
- 2009-10-29** *Added MDF_F_VOTINGPOWERPRC, MDF_F_CAPITALPRC, MDF_F_GENDERCEO, MDF_F_GENDERCHAIRMAN, MDF_F_BIRTHYEARCEO, MDF_F_BIRTHYEARCHAIRMAN, MDF_F_ADDRESS, MDF_F_POSTALCODE, MDF_F_CITY, MDF_F_TELEPHONE, MDF_F_FAX, MDF_F_EMAIL, MDF_F_IMPORTANTEVENTS*
- 2009-10-27** *Extended MDF_F_CATYPE and MDF_F_CASUBTYPE*
- 2009-10-15** *Added MDF_F_TRADEYIELD*
- 2009-10-12** *Added MDF_F_GROSSPROFIT, MDF_F_NETSALES, MDF_F_ADJUSTEDEBITA and MDF_F_SEQUENCE NUMBER*
- 2009-09-22** *Extended MDF_F_INSTRUMENTUBTYPE*
- 2009-09-21** *Extended MDF_F_INSTRUMENTUBTYPE and MDF_F_EXERCISETYPE*
- 2009-09-17** *Extended MDF_F_INSTRUMENTUBTYPE*
- 2009-09-16** *Extended MDF_F_CASUBTYPE*
- 2009-09-15** *Extended MDF_F_TRADECODE*

- 2009-09-09** *Extended MDF_F_INSTRUMENTSUBTYPE*
- 2009-09-02** *Added MDF_F_HIGHPRICEYTD, MDF_F_HIGHPRICEYTDDATE, MDF_F_LOWPRICEYTD and MDF_F_LOWPRICEYTDDATE*
- 2009-08-07** *Added MDF_F_ADJUSTEDEQUITY, MDF_F_OPERATINGCASHFLOW, MDF_F_PRICETOADJUSTEDEQUITY and MDF_F_PRICETOCASHFLOW*
- 2009-08-04** *Extended MDF_F_CATYPE with “Combined Split and Redemption”*
- 2009-05-27** *Added MDF_F_SECTOR, MDF_F_REDEMPTIONPRICE, MDF_F_ATHDATE, MDF_F_ATLDATE, MDF_F_HIGHPRICE1YDATE, MDF_F_LOWPRICE1YDATE, MDF_F_FREETEXTCOMMENT2, MDF_F_FREETEXTCOMMENT3, MDF_F_FREETEXTCOMMENT4, MDF_F_FREETEXTCOMMENT5. Clarified MDF_F_INSTRUMENTSUBTYPE.*
- 2009-05-13** *Extended MDF_F_CASUBTYPE with more values for dividends. Removed MDF_F_TOTALNUMBEROFSHARES.*
- 2009-04-29** *Added MDF_F_CHAIRMAN, MDF_F_CEO, MDF_F_WEBSITE, MDF_F_ORGNUM, MDF_F_DESCRIPTION, MDF_F_EQUITYRATIO, MDF_F_RETURNONEQUITY, MDF_F_DIVIDENDYIELD, MDF_F_PER, MDF_F_PSR, MDF_F_TOTALNUMBEROFSHARES, MDF_F_PERIOD and MDF_F_CASUBTYPE. Removed MDF_F_DIVIDENDTYPE and MDF_F_SUBSCRIPTIONPERIOD.*
- 2009-04-28** *Extended MDF_F_NEWSCODINGSUBJECT.*
- 2009-04-27** *Added MDF_F_NEWSCODINGISIN.*
- 2009-04-23** *Clarified MDF_F_NEWSCODINGTYPE and MDF_F_NEWSCODINGSUBJECT.*
- 2009-04-09** *Added “201 Good-Bye” to MDF_F_LOGOFFREASON.*
- 2009-04-02** *Added MDF_F_TRADESTATE.*
- 2009-04-01** *Changed type of MDF_F_UNDERLYINGID to string.*
- 2009-03-31** *Set size on MDF_F_BOARDLOT. Changed type of MDF_F_TRADEREFERENCE to string. Added list to MDF_F_INSTRUMENTTYPE.*
- 2009-03-30** *Added Odd Lot Trade code to MDF_F_TRADECODE. Added MDF_F_VWAP and MDF_F_CLOSEVWAP.*
- 2009-03-27** *Added MDF_F_MINUSPAID, MDF_F_PLUSPAID and MDF_F_UNCHANGEDPAID.*
- 2009-03-24** *Initial version.*