

BestExHub

**RTS 28 & DA 65(6) STANDARD
SCHEMA**



FILE NAMING CONVENTION

The filename indicates the content of the file and is represented by a naming convention of filename [prefix]_[suffix].[file_format_type]

- Filename prefix represents the class of financial instrument (according to RTS 28 Annex I).
- Filename suffix represents the client category or summary.
- The **file_format_type** type of 'csv' represents comma delimited file format.
- Full filenames are used when downloading all files.

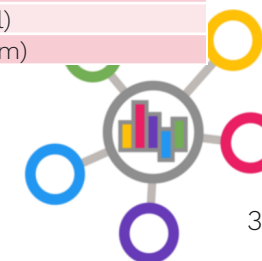
FILE EXAMPLE	DESCRIPTION OF FILE CONTENTS
IR_DERIV_TOTV_PROF.csv	Professional client flow data published per RTS 28 Annex I Table 2 for Interest Rates Derivates - Futures and options admitted to trading on a trading venue.
EQUITIES_TICK_BANDS_5_6_RETAIL.csv	Retail client flow data published per RTS 28 Annex I Table 1 for Equities — Shares & Depository Receipts - Tick size liquidity bands 5 and 6.
BONDS_SFT.csv	Securities Financing client flow data published per RTS 28 Annex I - Table 3 for Bonds.
FX_DERIV_OTHER_SUMMARY.csv	Summary of Analysis and Conclusions per RTS 28 3(a)-(h) for Currency Derivates - Swaps, forwards, and other currency derivatives.



FILE PREFIX

CLASS OF FINANCIAL INSTRUMENT

FILENAME [PREFIX]	DESCRIPTION OF CLASS OF FINANCIAL INSTRUMENT		RTS 28 ANNEX I REF.
EQUITIES_ALL	Equities (All tick sizes) (2017 only)		a)
EQUITIES_TICK_BANDS_5_6	Equities — Shares & Depositary Receipts	Tick size liquidity bands 5 and 6	a)i)
EQUITIES_TICK_BANDS_3_4	Equities — Shares & Depositary Receipts	Tick size liquidity bands 3 and 4	a)ii)
EQUITIES_TICK_BANDS_1_2	Equities — Shares & Depositary Receipts	Tick size liquidity band 1 and 2	a)iii)
BONDS	Debt instruments	Bonds	b)i)
MONEY_MARKET	Debt instruments	Money Market Instruments	b)ii)
IR_DERIV_TOTV	Interest rates derivatives	Futures and options admitted to trading on a trading venue	c)i)
IR_DERIV_OTHER	Interest rates derivatives	Swaps, forwards, and other interest rates derivatives	c)ii)
CREDIT_DERIV_TOTV	Credit derivatives	Futures and options admitted to trading on a trading venue	d)i)
CREDIT_DERIV_OTHER	Credit derivatives	Other credit derivatives	d)ii)
FX_DERIV_TOTV	Currency derivatives	Futures and options admitted to trading on a trading venue	e)i)
FX_DERIV_OTHER	Currency derivatives	Swaps, forwards, and other currency derivatives	e)ii)
STRUCT_FINANCE	Structured finance instruments		f)
EQUITY_DERIV_TOTV	Equity Derivatives	Options and Futures admitted to trading on a trading venue	g)i)
EQUITY_DERIV_OTHER	Equity Derivatives	Swaps and other equity derivatives	g)ii)
SECURE_DERIV_WARRANTS	Securitized Derivatives	Warrants and Certificate Derivatives	h)i)
SECURE_DERIV_OTHER	Securitized Derivatives	Other securitized derivatives	h)ii)
COMM_EMISSION_TOTV	Commodities derivatives and emission allowances Derivatives	Options and Futures admitted to trading on a trading venue	i)i)
COMM_EMISSION_OTHER	Commodities derivatives and emission allowances Derivatives	Other commodities derivatives and emission allowances derivatives	i)ii)
CFD	Contracts for difference		j)
ETF_ETN_ETC	Exchange traded products (Exchange traded funds, exchange traded notes and exchange traded commodities)		k)
EMISSIONS	Emission allowances		l)
OTHER	Other instruments		m)



FILE SUFFIX CLIENT CATEGORY AND SUMMARY

FILENAME [SUFFIX]	DESCRIPTION CLIENT CATEGORY OR SUMMARY
RETAIL	Quantitative Retail client flow data published per RTS 28 Annex I - Table 1
PROF	Quantitative Professional client flow data published per RTS 28 Annex I - Table 2
SFT	Quantitative Securities Financing client flow data published per RTS 28 Annex I - Table 3
SUMMARY	Summary of analysis and conclusions per RTS 28 3(a)-(h)



ALL REPORT FILES

CLASS OF FINANCIAL INSTRUMENT	RETAIL QUANTITATIVE FILES (TABLE 1)	PROFESSIONAL QUANTITATIVE FILES (TABLE 2)	SFT QUANTITATIVE FILES (TABLE 3)	SUMMARY AND CONCLUSIONS FILES
EQUITIES_ALL	EQUITIES_ALLRETAIL.csv	EQUITIES_ALL_PROF.csv	EQUITIES_ALL_SFT.csv	EQUITIES_ALL.SUMMARY.csv
EQUITIES_TICK_BANDS_5_6	EQUITIES_TICK_BANDS_5_6_RETAIL.csv	EQUITIES_TICK_BANDS_5_6_PROF.csv	EQUITIES_TICK_BANDS_5_6_SFT.csv	EQUITIES_TICK_BANDS_5_6_SUMMARY.csv
EQUITIES_TICK_BANDS_3_4	EQUITIES_TICK_BANDS_3_4_RETAIL.csv	EQUITIES_TICK_BANDS_3_4_PROF.csv	EQUITIES_TICK_BANDS_3_4_SFT.csv	EQUITIES_TICK_BANDS_3_4_SUMMARY.csv
EQUITIES_TICK_BANDS_1_2	EQUITIES_TICK_BANDS_1_2_RETAIL.csv	EQUITIES_TICK_BANDS_1_2_PROF.csv	EQUITIES_TICK_BANDS_1_2_SFT.csv	EQUITIES_TICK_BANDS_1_2_SUMMARY.csv
BONDS	BONDS_RETAIL.csv	BONDS_PROF.csv	BONDS_SFT.csv	BONDS_SUMMARY.csv
MONEY_MARKET	MONEY_MARKET_RETAIL.csv	MONEY_MARKET_PROF.csv	MONEY_MARKET_SFT.csv	MONEY_MARKET_SUMMARY.csv
IR_DERIV_TOTV	IR_DERIV_TOTV_RETAIL.csv	IR_DERIV_TOTV_PROF.csv	IR_DERIV_TOTV_SFT.csv	IR_DERIV_TOTV_SUMMARY.csv
IR_DERIV_OTHER	IR_DERIV_OTHER_RETAIL.csv	IR_DERIV_OTHER_PROF.csv	IR_DERIV_OTHER_SFT.csv	IR_DERIV_OTHER_SUMMARY.csv
CREDIT_DERIV_TOTV	CREDIT_DERIV_TOTV_RETAIL.csv	CREDIT_DERIV_TOTV_PROF.csv	CREDIT_DERIV_TOTV_SFT.csv	CREDIT_DERIV_TOTV_SUMMARY.csv
CREDIT_DERIV_OTHER	CREDIT_DERIV_OTHER_RETAIL.csv	CREDIT_DERIV_OTHER_PROF.csv	CREDIT_DERIV_OTHER_SFT.csv	CREDIT_DERIV_OTHER_SUMMARY.csv
FX_DERIV_TOTV	FX_DERIV_TOTV_RETAIL.csv	FX_DERIV_TOTV_PROF.csv	FX_DERIV_TOTV_SFT.csv	FX_DERIV_TOTV_SUMMARY.csv
FX_DERIV_OTHER	FX_DERIV_OTHER_RETAIL.csv	FX_DERIV_OTHER_PROF.csv	FX_DERIV_OTHER_SFT.csv	FX_DERIV_OTHER_SUMMARY.csv
STRUCT_FINANCE	STRUCT_FINANCE_RETAIL.csv	STRUCT_FINANCE_PROF.csv	STRUCT_FINANCE_SFT.csv	STRUCT_FINANCE_SUMMARY.csv
EQUITY_DERIV_TOTV	EQUITY_DERIV_TOTV_RETAIL.csv	EQUITY_DERIV_TOTV_PROF.csv	EQUITY_DERIV_TOTV_SFT.csv	EQUITY_DERIV_TOTV_SUMMARY.csv
EQUITY_DERIV_OTHER	EQUITY_DERIV_OTHER_RETAIL.csv	EQUITY_DERIV_OTHER_PROF.csv	EQUITY_DERIV_OTHER_SFT.csv	EQUITY_DERIV_OTHER_SUMMARY.csv
SECURE_DERIV_WARRANTS	SECURE_DERIV_WARRANTS_RETAIL.csv	SECURE_DERIV_WARRANTS_PROF.csv	SECURE_DERIV_WARRANTS_SFT.csv	SECURE_DERIV_WARRANTS_SUMMARY.csv
SECURE_DERIV_OTHER	SECURE_DERIV_OTHER_RETAIL.csv	SECURE_DERIV_OTHER_PROF.csv	SECURE_DERIV_OTHER_SFT.csv	SECURE_DERIV_OTHER_SUMMARY.csv
COMM_EMISSION_TOTV	COMM_EMISSION_TOTV_RETAIL.csv	COMM_EMISSION_TOTV_PROF.csv	COMM_EMISSION_TOTV_SFT.csv	COMM_EMISSION_TOTV_SUMMARY.csv
COMM_EMISSION_OTHER	COMM_EMISSION_OTHER_RETAIL.csv	COMM_EMISSION_OTHER_PROF.csv	COMM_EMISSION_OTHER_SFT.csv	COMM_EMISSION_OTHER_SUMMARY.csv
CFD	CFD_RETAIL.csv	CFD_PROF.csv	CFD_SFT.csv	CFD_SUMMARY.csv
ETF_ETN_ETC	ETF_ETN_ETC_RETAIL.csv	ETF_ETN_ETC_PROF.csv	ETF_ETN_ETC_SFT.csv	ETF_ETN_ETC_SUMMARY.csv
EMISSIONS	EMISSIONS_RETAIL.csv	EMISSIONS_PROF.csv	EMISSIONS_SFT.csv	EMISSIONS_SUMMARY.csv
OTHER	OTHER_RETAIL.csv	OTHER_PROF.csv	OTHER_SFT.csv	OTHER_SUMMARY.csv



DATA FIELD FORMATS AND DEFINITIONS

SYMBOL	DATA FORMAT	DEFINITION
{ALPHANUM-n}	Alphanumerical characters. Up to n characters where n supplied.	Free text field. Values are encapsulated with quotation marks (ASCII 34), i.e “text”. NB, alphanumeric characters not encapsulated with quotation marks are Descriptive fields headers.
{BLANK}	Blank value.	No value provided or not available.
{DECIMAL-n/m}	Decimal number of up to n digits in total of which up to m digits can be fraction digits	Numerical field: - decimal separator is '.' (full stop) Where applicable, values shall be rounded and not truncated
{LEI}	ALPHANUM-20	Legal entity identifier as defined in ISO 17442
{MIC}	ALPHANUM-4	Market identifier as defined in ISO 10383
{LESS_ONE_AVERAGE_TRADE_PER_BUSINESS_DAY}	ALPHANUM-1	'Y' – Confirmation, has executed an average of less than one trade per business day in the previous year in that class of financial instruments. 'N' – Confirmation has executed an average of one or more trades per business day in the previous year in that class of financial instruments.
{CLASS_OF_INSTRUMENT}	ALPHANUM	Per RTS 28 Filename prefix for Class of Financial Instrument



QUANTITATIVE FILE SCHEMA

- File format for quantitative data is comma delimited CSV.
- The first section provide details of **class of instrument**, if **less than one average trade per day** and if supplied, **additional information** regarding the file. In the sections, the first value contains descriptive field header, whilst second value contains the corresponding value.

DESCRIPTIVE FIELD HEADER	DESCRIPTION	DATA FIELD FORMAT
class_of_instrument	Class of Instrument	{CLASS_OF_INSTRUMENT}
less_one_average_trade_per_business_day	Confirmation on average, has executed an average of less than one trade per business day in the previous year in that class of financial instruments	{LESS_ONE_AVERAGE_TRADE_PER_BUSINESS_DAY}
additional_info	Any additional information relating to the data file	{ALPHANUM}

- The second section provides details of the Top five execution venues ranked in terms of trading volumes and is indicated by a row of multiple descriptive field headers. The corresponding values are in the subsequent rows.

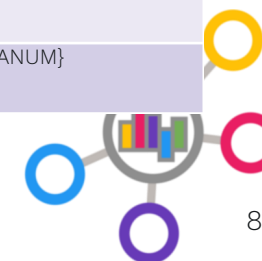
DESCRIPTIVE FIELD HEADER	DESCRIPTION	DATA FIELD FORMAT
top_five_execution_venue_name	Execution venue name	{ALPHANUM}
venue_identifier	Execution venue identifier (MIC or LEI)	{LEI} or {MIC}
pct_volume_traded	Volume of client orders executed on the execution venue expressed as a percentage of total executed volume	{DECIMAL-6/3}
pct_orders_executed	Number of client orders executed on the execution venue expressed as a percentage of total executed orders	{DECIMAL-6/3}
pct_passive_orders	Percentage of the executed orders referred to in pct_orders_executed that were passive orders. (Does not apply to SFT quantitative files.)	{DECIMAL-6/3} or {BLANK}
pct_aggressive_orders	Percentage of the executed orders referred to in pct_orders_executed that were aggressive orders. (Does not apply to SFT quantitative files.)	{DECIMAL-6/3} or {BLANK}
pct_of_directed_orders	Percentage of orders referred to in pct_orders_executed that were directed orders. (Does not apply to SFT quantitative files.)	{DECIMAL-6/3} or {BLANK}



SUMMARY FILE SCHEMA

- File format for 'Summary of analysis and conclusions' is comma delimited CSV. Where the data value is text, the value is encapsulated with quote marks, i.e 'text'
- The first value contains descriptive field header, whilst second value contains the corresponding value.

DESCRIPTIVE FIELD HEADER	DESCRIPTION	DATA FIELD FORMAT
class_of_instrument	Class of Instrument	{CLASS_OF_INSTRUMENT}
relative_importance	An explanation of the relative importance the firm gave to the execution factors of price, costs, speed, likelihood of execution or any other consideration including qualitative factors when assessing the quality of execution.	{ALPHANUM}
close_links	A description of any close links, conflicts of interests, and common ownerships with respect to any execution venues used to execute orders.	{ALPHANUM}
payments_received	A description of any specific arrangements with any execution venues regarding payments made or received, discounts, rebates or non-monetary benefits received.	{ALPHANUM}
explanation_of_change	An explanation of the factors that led to a change in the list of execution venues listed in the firm's execution policy, if such a change occurred.	{ALPHANUM}
client_categorisation	An explanation of how order execution differs according to client categorisation, where the firm treats categories of clients differently and where it may affect the order execution arrangements.	{ALPHANUM}
other_criteria	An explanation of whether other criteria were given precedence over immediate price and cost when executing retail client orders and how these other criteria were instrumental in delivering the best possible result in terms of the total consideration to the client.	{ALPHANUM}
use_of_data_rts27	An explanation of how the investment firm has used any data or tools relating to the quality of execution, including any data published under Delegated Regulation (EU) 2017/575; (aka RTS 27: Data published by Execution venues).	{ALPHANUM}
use_of_ctp	Where applicable, an explanation of how the investment firm has used output of a consolidated tape provider established under Article 65 of MiFID II.	{ALPHANUM}



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