

FWW DataHub

# MiFID-II-v3-Import-Format:CSV Description (EMT v3.0)

## Document Revision History

Version	Date	Editor	Remarks
1.0	2021-02-01	uh@fww.de	Initial public release for EMT v3.0

## Overview

FWW DataHub is a technical platform for the exchange of MiFID II related data of your funds. To enable asset managers to reliably and smoothly relay the information needed by fund distributors, FWW defined a specific implementation of a data file containing the values of the European MiFID Template (EMT).

This document describes the technical details of a **CSV file format** (Comma-Separated Values text file) on the file level. The column definitions are **based on the EMT v3.0** ("20191210 - FinDatEx - EMT-V3.0 - ENDORSED.xlsx"<sup>1</sup>) and are focused on **investment funds**.

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<sup>1</sup> <https://findatex.eu/mediaitem/7205d350-cad3-4a81-bc0f-b30fa0b273f4/20191210%20-%20FinDatEx%20-%20EMT-V3.0%20-%20ENDORSED.xlsx>

## File Format

**"CSV":** Plain-text file containing one line of delimiter-separated values per product

**Character Encoding:** UTF-8 (recommended), ISO/IEC 8859-1 Latin1 or Windows-CP1252

**Byte Order Mark (BOM):** accepted, but not recommended

**Separator:** one of the following characters, no mixing within one file:

- ❖ Semicolon / ";" (recommended),
- ❖ Tab (0x09),
- ❖ Vertical Bar / Pipe / "|" (0x7C)
- ❖ Comma / "," (discouraged)

**Escaping:** To represent a literal separator character in a value not enclosed in Text Qualifiers, the character **must** be preceded by a backslash (0x5C). A literal backslash must be represented by two backslashes (\\).

**Text Qualifiers:** optional. Any value may be wrapped in double-quotes (").

To represent a literal double-quotes character (") inside of Text Qualifiers, it may be either preceded by a backslash (\") or doubled (").

**Line Endings:** every line must be terminated with CR+LF (0x0A, 0x0D) or LF (0x0D). Line breaks are not allowed within headers or values, even if enclosed in Text Qualifiers.

**Column Headers:** The first line **must** contain column headers.

⚠ The **first five characters must be the numeric ID** of the column as per EMT definition (also see 'Data Fields' below). We recommend using the full field names of the EMT for better readability, e.g. "00040\_Financial\_Instrument\_Currency". Any other string starting with "00040" (or "00040" by itself) is acceptable as well. Please note you must include the leading zeroes.

**Every line** of your file **must** always **contain** at least **94 fields**. Extra columns not defined in this document are ignored, but will produce warnings.

Fields may be left **empty only if explicitly stated**, please see the "Mandatory"-Column in the EMT specification. Some fields may be mandatory depending on the contents of other fields. To represent NULL values ("no value"), leave the field empty - do **not** use "n/a", "NULL", "-", "99.99" etc.

**File Name:** no rules, any reasonable character sequence (see **AlphaNumeric**) is acceptable. As the original file name will be logged, you may want to use unique names to be able to identify a

single upload and reference your own data later. We recommend using ".csv" or ".tsv" (when using Tab) or ".txt" as file name extension.

## Field Type Definitions

The following syntax definitions describe common field types.

```
Yes = "Y" | "y" | "YES" | "yes" | "Yes" | "1" ;  
No = "N" | "n" | "NO" | "no" | "No" | "0" ;  
Neutral = "Neutral" | "neutral" | "NEUTRAL" | "-" ;
```

```
YesNoNeutral = Yes | No | Neutral ;
```

```
AlphaNumeric = 255 * [ ? Printable Characters ? ] ; up to 255 printable characters
```

*Printable Characters* refers to all visible characters and the space (anything except control characters), that is, to all **Unicode** characters that do not have the *Unicode General\_Category Property* "Other"<sup>2</sup>, short "C" (= Cc | Cf | Cs | Co | Cn), usually expressed as **\P{C}**.

In ASCII, it would refer to the range 0x20–0x7E, and in ISO/IEC 8859-1 (Latin1) to the ranges 0x20–0x7E, 0xA1–0xAC and 0xAE–0xFF.

```
Date = ? YYYY-MM-DD ? ; ISO 8601 extended format date, e.g. "2019-02-27"
```

```
DateTime = ? YYYY-MM-DD hh:mm:ss ? ; ISO 8601 extended format date and time, without timezone, e.g. "2021-04-28 15:36:59"
```

```
Digit = "0" | "1" | "2" | "3" | "4" | "5" | "6" | "7" | "8" | "9" ;
```

```
DecimalPercent = [ Digit ] , [ "." | "," ] , Digit , { Digit } ;  
dot or comma as decimal separator
```

*DecimalPercent* represents a percentage in decimal form, e.g. "1" = 100%, "0.3" = 30%, "0.01" = 1%

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<sup>2</sup> [http://unicode.org/reports/tr44/#GC\\_Values\\_Table](http://unicode.org/reports/tr44/#GC_Values_Table)

The maximum precision (digits after the decimal point) for *DecimalPercent* is 15. Values will be rounded to 15 decimal places.

**DecimalNumber** = { **Digit** } , [ "." | "," ] , **Digit**, { **Digit** } ;

The maximum precision (digits after the decimal point) for *DecimalNumber* is 15. Values will be rounded to 15 decimal places.

## Data Fields

All field definitions correspond to the fields of the EMT for funds (= Structured Funds or UCITS or Non UCITS, see 00060). Do not include Structured Securities in your file.

Your file is expected to contain all 94 fields defined in EMT v3.0, starting with "00001\_EMT\_Version" and ending in "08120\_Structured\_Securities\_Notional\_Reference\_Amount".

Please refer to the FinDatEx EMT v3.0 specification for details:

<https://findatex.eu/mediaitem/7205d350-cad3-4a81-bc0f-b30fa0b273f4/20191210%20-%20FinDatEx%20-%20EMT-V3.0%20-%20ENDORSED.xlsx>

(A detailed list of all fields and associated data types and rules will be provided here in the next version of this document.)