

Vestima

Investment Fund Services

Published Fund List User Guide

CSV files sent from Clearstream Fund Centre

Vestima Investment Fund Services - Published Fund List User Guide

June 2023

Document number: 7418

Information in this document is subject to change without prior notice.

This document is available in electronic format and may be provided in other formats at the discretion of Clearstream Fund Centre S.A. (referred to hereinafter as Clearstream Fund Centre or CFCL). CFCL grants its clients permission to reproduce, store and print this document to the extent deemed reasonable and necessary for receiving from CFCL the services described herein. Any software provided, as set out in the present document, shall be provided under the applicable licence terms.

Unless otherwise stated, all times are given in Central European Time (CET).

© Copyright Clearstream Fund Centre, S.A. (2023). All rights reserved.

Vestima is a registered trademark of Clearstream Fund Centre S.A.

Clearstream Banking S.A. ("CBL") is a subsidiary of Clearstream Holding AG as acts as CFCL sub-custodian for settlement and asset servicing.

Clearstream Fund Centre S.A. is a Deutsche Börse Group company.

Foreword

The Published Fund List is CFCL's service providing clients with automated daily reporting on investment funds reference data. The Published Fund List is designed and developed to help Vestima users overcome the challenges of maintaining investment funds reference data and to mitigate issues with the operational efficiency of the placement and settlement of Vestima orders.

These specifications cover the layout and use of an outbound Comma Separated Value (CSV) file. For further information, please contact Vestima Client Services (see below).

Contact details

For further information on the Published Fund List or any other information you may require, or if you have questions regarding the Order Routing system and/or communications with Clearstream Banking, you can contact Client Services in Luxembourg as follows:

Telephone:	+352-243-38110	Connectivity Support for access/configuration issues
	+352-243-32833	Vestima Client Services
	+352-243-32555	Vestima Product information
Fax:	+352-243-638110	Connectivity Support for access/configuration issues
Email:	csvestima@clearstream.com	Vestima Client Services
	connectlux@clearstream.com	Connectivity Support
Website:	www.clearstream.com	Clearstream Banking website

If you need assistance with Vestima, it would be helpful if you have the following information to hand before contacting Clearstream Banking:

- Your organisation name and Vestima Identity (ID);
- Your name, telephone and fax numbers and your email address;
- The make and model of your PC;
- The type and version of your operating system and web browser software;
- Details of the inquiry (please have full details available);
- If you receive an error message, full details of the error, with any error message number.

Please note that - as is normal practice within financial organisations - CFCL has implemented telephone line recording to ensure that the interests of CFCL and of its clients are protected against misunderstandings or miscommunications.

Areas subject to telephone line recording include Client Services. The recorded lines are the subject of an ongoing formal maintenance and quality control programme to ensure their continued effective and appropriate deployment and operation

Foreword

This page has intentionally been left blank.

Contents

Foreword	i
Contact details	i
1. Introduction	1-1
Connectivity	1-1
File names	1-1
File content records and fields	1-1
Format codes	1-2
Numerical data	1-2
Text data	1-2
Standards	1-2
2. Published Fund List - file specifications	2-1
Shared content	2-1
Published Fund List with Delta	2-5
3. Published Fund List in fund domicile time zones - file specifications	3-1
Shared content	3-1
Published Fund List in fund domicile time zone with Delta	3-5

Contents

1. Introduction

The Published Fund List service optimises efficiency by offering:

- A central source of investment funds reference data for daily order placement and settlement needs;
- Timely alignment of changes in investment funds reference data in a secure and automated way.

Note: A version of the standard fund list report, updated monthly, is available on the CFCL website, www.clearstream.com.

Connectivity

The Published Fund List report can be retrieved in either of two ways:

- Downloaded through the Vestima web-browser interface; and
- Through Xact File Transfer via Internet.

For further information about accessing and using these applications, please see "[Contact details](#)" on page i.

File names

The name of the Published Fund List report depends on how it is retrieved:

- If you download the report from Vestima, you are prompted to name it when saving it to a local storage device.
- Each report in Xact File Transfer via Internet is given a unique file name.

File content records and fields

The following specifications are adhered to:

- Each line in the data file is a record comprising a fixed number of fields (values).
- There are individual "record types" for data file header and body.
- A data file has one header record containing column headings, and multiple body records containing fund data.
- All records have a fixed number of fields.
- Fields in all records are separated by a comma (,) character.
- All fields are represented in the record, regardless of content. Two adjacent commas or double quotation (") characters (with nothing between them) denote an empty field.
- Each line in a data file is terminated by a line feed (LF 0x0a).

1. Introduction

Format codes

The following codes and symbols are used to describe the formats that are used in the respective fields:

numerals 0 to 9	The length of a field (not counting field separators, decimal separators or any double quotation characters used as delimiters or “escape” characters)
!	The length of the field is fixed
n	Numeric, unsigned
a	Upper-case alphabetic (A to Z)
c	Alphanumeric (upper-case A to Z and 0 to 9)
x	Any character
time	Time expressed in 24-hour clock system, formatted as HH:MM
date	Date, month or date and time, formatted as DD/MM/YYYY
[]	Option, used only when needed

Numerical data

The decimal separator is a full stop (.) character (0x2e) and there is no thousands separator. The maximum lengths of the numerical fields refer to the number of digits (integers, decimals) without counting any decimal separator and/or negative sign that may be present. Positive numeric values are always unsigned.

Text data

Double-quotation mark (") characters (0x22) are used as delimiters for all fields except those containing numerals or dates. An embedded double-quotation mark within a field is “escaped” using an adjacent double-quotation mark.

The maximum lengths of the text fields refer to the number of characters without counting the double-quotation marks used as delimiters or “escape” characters.

Standards

The following international standards are applicable:

- ISO 4217 defines the currency code.
- ISO 6166 defines the International Securities Identifying Number (ISIN).
- ISO/IEC 8859-1 (also known as Latin-1) defines the character set for fields that have “x” as the format code.

2. Published Fund List - file specifications

Published Fund List is available on a daily basis as:

- Standard report providing Vestima fund reference data;
- Delta report providing Vestima fund reference data and showing which attributes have changed compared to the previously generated report.

Each row in the specifications table below is referenced by a letter in the “Column” column. This corresponds to the column references when opening a file in standard spreadsheet software¹.

The “M/O” column indicates the usage of each field:

- M indicates mandatory² - information is always present
- O indicates optional - information is present when available or applicable.

Note: A version of the standard report, updated monthly, is available on the Clearstream website under Vestima documentation / [Supported funds](#).

Shared content

Both report types contain the data described in the following table.

Column/Field name	M/O	Format	Content
A ISIN	O	12!c	International Securities Identification Number
B Common code	M	9!c	Identifier of the fund class allocated jointly by CBL and Euroclear Bank
C Fund name	M	100x	Descriptive name of the fund class
D Umbrella ID	O	8x	CFCL's identification of the umbrella or legal entity to which the fund class (compartment) belongs
E Umbrella name	O	40x	Name of the umbrella or legal entity to which the fund class (compartment) belongs
F OHA ID	M	8x	CFCL's identification of the Order Handling Agent (receiver of orders sent by CFCL on behalf of clients)
G OHA name	M	35x	Name of the Order Handling Agent
H CBL PoSK ID	M	2!c	CBL's identification of CBL's place of safekeeping
I CBL PoSK name	M	35x	Name of CBL's place of safekeeping
J Fund ccy	M	3!a	ISO code of the base currency the fund class

1. Please be aware that, with such software, you may experience formatting issues, in particular with regard to field separators and date values.
2. Replacement values will be used for fund classes where the data is not relevant and/or confidential.

2. Published Fund List - file specifications

Column/Field name	M/O	Format	Content
K NAV ccy	M	3!a[/3!a]...	ISO currency code(s) of the Net Asset Value (NAV) of the fund class; when more than one, separated by forward slash ("/")
L CBL decimal places	M	1!n	Number of decimals available for CBL's record keeping of the fund class, in the range of 0 to 6 inclusive
M Vestima cut-off time for redemptions	0	time	Time before which a redemption order must reach CBL for a secured forwarding to the OHA for further execution. When present, it is expressed in "Europe/Luxembourg" (that is, UTC+1 in winter, UTC+2 in summer).
N CBL redemption settlement	0	3!a	CBL settlement method for redemptions, when present, one of the following: <ul style="list-style-type: none"> • "DVP" = Delivery versus payment • "FPC" = Free of payment contractual
O Fund cut-off redemption (NAV day)	0	25x	Day on which a redemption order must reach the OHA to be considered for the next NAV, expressed as "NAV Date" or "NAV Date -x BD", "NAV Date +x BD", "NAV Date -x CD", "NAV Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
P Fund cut-off redemption (dealing day)	0	25x	Day on which a redemption order must reach the OHA to be considered for the next Dealing Date, expressed as "Dealing Date" or "Dealing Date -x BD", "Dealing Date +x BD", "Dealing Date -x CD", "Dealing Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
Q Fund cut-off time for redemptions	0	time	Redemption cut-off time according to the prospectus
R Fund redemption time zone	0	40x	Redemption cut-off time zone according to the prospectus (follows the DST where applicable), example "Europe/Luxembourg". Format based on openfunds field "Time Zone For Cut-off Using TZ Database" (ID OFST410092). For further details: openfunds fields
S Redemption settlement (NAV day)	0	25x	Settlement period for redemptions, expressed as "NAV Date", or "NAV Date +x BD", "NAV Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
T Redemption settlement (dealing day)	0	25x	Settlement period for redemptions, expressed as "Dealing Date", or "Dealing Date +x BD", "Dealing Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
U Redemption lead time	0	3n	Delta between Vestima cut-off and fund cut-off for redemptions, given in minutes
V Vestima cut-off time for subscriptions	0	time	Time before which a subscription order must reach CFCL for a secured forwarding to the OHA for further execution. When present, it is expressed in "Europe/Luxembourg" (that is, UTC+1 in winter, UTC+2 in summer)
W CBL subscription settlement	0	3!a	CBL settlement method for subscriptions, when present, one of the following: <ul style="list-style-type: none"> • "DVP" = Delivery versus payment • "FPA" = Free of payment actual • "FPC" = Free of payment contractual • "FPP" = Free of payment prepaid

2. Published Fund List - file specifications

Column/Field name	M/O	Format	Content
X Fund cut-off subscription (NAV day)	0	25x	Day on which a subscription order must reach the OHA to be considered for the next NAV, expressed as "NAV Date" or "NAV Date -x BD", "NAV Date +x BD", "NAV Date -x CD", "NAV Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
Y Fund cut-off subscription (dealing day)	0	25x	Day on which a subscription order must reach the OHA to be considered for the next Dealing Date, expressed as "Dealing Date" or "Dealing Date -x BD", "Dealing Date +x BD", "Dealing Date -x CD", "Dealing Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
Z Fund cut-off time for subscriptions	0	time	Subscription cut-off time according to the prospectus
AA Fund subscription time zone	0	40x	Subscription cut-off time zone according to the prospectus (follows the DST where applicable), example "Europe/Luxembourg". Format based on openfunds field "Time Zone For Cut-off Using TZ Database" (ID OFST410092). For further details: openfunds fields
AB Subscription settlement (NAV day)	0	25x	Settlement period for subscriptions, expressed as "NAV Date", or "NAV Date -x BD", "NAV Date +x BD", "NAV Date -x CD", "NAV Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
AC Subscription settlement (dealing day)	0	25x	Settlement period for subscriptions, expressed as "Dealing Date", or "Dealing Date -x BD", "Dealing Date +x BD", "Dealing Date -x CD", "Dealing Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
AD Subscription lead time	0	3n	Delta between Vestima cut-off and fund cut-off for subscriptions, given in minutes
AE Payment	M	18x	When a subscription order is to be paid, either "On Order" (for prepaid subscriptions), "On Settlement Date" or (if the payment method cannot be determined) "Undefined"
AF Fund Processing Group (Default)	M	11x	Fund Processing Group (Default) will allow a client to identify the defaulted order routing venue as follows: <ul style="list-style-type: none"> • "Vestima" • "VestimaPRIME" • "No Order Routing" - only custody and settlement are supported • "CBL ineligible" - ISIN is non-qualified in CBL
AG Fund market group	M	35x	Category of pricing, one of the following: <ul style="list-style-type: none"> • "A" = Fund market group A pricing • "B" = Fund market group B pricing • "C" = Fund market group C pricing • "CFF Hosted" = (CFF) Hosted pricing
AH Fund manager id	0	8x	CFCL's identification of the fund manager
AI Fund manager name	0	254x	Name of the fund manager
AJ CBL PoSK type	0	8a	Type of CBL's place of safekeeping: <ul style="list-style-type: none"> • "CFF" = the fund class is held directly on the fund's register of shareholders via CFF • "DOMESTIC", "COMMON", "SPECIAL" = as defined on the Clearstream website

2. Published Fund List - file specifications

Column/Field name	M/O	Format	Content
AK Class	0	4x	Specification of the shares of the fund class
AL Fund category	0	4a	Dividend policy of the fund class, when present, one of the following: <ul style="list-style-type: none"> • "DIST" = distribution • "CAP" = capitalisation
AM Legal structure	0	64x	Definition of the legal structure of the fund (for example, "SICAV", "FCP")
AN Market ref for BD	0	40x[/40x]...	Name(s) of jurisdiction or stock exchange used to specify the valuation days of the fund class; when more than one, separated by forward slash ("/")
AO NAV frequency	0	12a	Frequency of the NAV calculation: <ul style="list-style-type: none"> • "DAILY" • "WEEKLY" • "MONTHLY" • "QUARTERLY" • "ANNUALLY"
AP NAV frequency description	0	254x	Description of the NAV frequency (for example, "WEEKLY-THURSDAY"), when more than one, separated by forward slash ("/") (for example, "WEEKLY-THURSDAY/MONTHLY-LAST BUSINESS DAY")
AQ Dealing frequency (redemption)	0	15x	Frequency of the dealing days for redemptions: <ul style="list-style-type: none"> • "DAILY" • "WEEKLY" • "MONTHLY" • "QUARTERLY" • "ANNUALLY"
AR Dealing frequency description (redemption)	0	254x	Description of the dealing frequency for redemptions (for example, "WEEKLY-THURSDAY"), when more than one, separated by forward slash ("/") (for example, "WEEKLY-THURSDAY/MONTHLY-LAST BUSINESS DAY")
AS Dealing frequency (subscription)	0	15x	Frequency of the dealing days for redemptions: <ul style="list-style-type: none"> • "DAILY" • "WEEKLY" • "MONTHLY" • "QUARTERLY" • "ANNUALLY"
AT Dealing frequency description (subscription)	0	254x	Description of the dealing frequency for subscriptions (for example, "WEEKLY-THURSDAY"), when more than one, separated by forward slash ("/") (for example, "WEEKLY-THURSDAY/MONTHLY-LAST BUSINESS DAY")
AU Maximum redemption fee (%)	0	15x	Maximum redemption fees according to the prospectus
AV Subscription minimum initial cash amount	0	3!a 10n	Minimum initial cash amount (including currency code) required for subscriptions according to the prospectus
AW Maximum subscription fee (%)	0	15x	Maximum subscription fees according to the prospectus
AX Issuer (I)CSD	0	11!c	BIC of issuing (I)CSD
AY ETF	0	1!a	CFCL's classification as exchange traded fund ("Y" or "N")

2. Published Fund List - file specifications

Column/Field name	M/O	Format	Content
AZ OHA settlement account	0	50x	Counterparty settlement account for OIs. Single account if settlement in CBL. PSET and xEAG if settlement in domestic depository.
BA FIA	0	50x	Fund Issuance Account for CFF qualified fund shares
BB T2S active	M	1!a	Specification if the fund is active in T2S ("Y" or "N")
BC Subscription by amount	0	1!a	Specification if order type applies ("Y" or "N")
BD Subscription by quantity	0	1!a	Specification if order type applies ("Y" or "N")
BE Redemption by amount	0	1!a	Specification if order type applies ("Y" or "N")
BF Redemption by quantity	0	1!a	Specification if BD order type applies ("Y" or "N")
BG Switch by amount (1-to-1)	0	1!a	Specification if order type applies ("Y" or "N")
BH Switch by quantity (1-to-1)	0	1!a	Specification if order type applies ("Y" or "N")
BI Switch by amount (1-to-n)	0	1!a	Specification if order type applies ("Y" or "N")
BJ Switch by quantity (1-to-n)	0	1!a	Specification if order type applies ("Y" or "N")

Published Fund List with Delta

In addition to the table with shared content (see above), the Published Fund List with Delta also has the information described in the following table.

Column/Field name	M/O	Format	Content
BK Removal reason	0	18x	Reason why an ISIN has been removed from current data set (for example, matured)
BL Previous report date	M	date	Date of data set that is used for comparison
BM Current report date	M	date	Date of current data set
BN Change type	M	3!a	Identifies the type of record change: <ul style="list-style-type: none"> • "NEW" = New record (not contained in comparison data set). All delta columns are set to "1" • "CHG" = Changed record, one or more columns changed (delta indicator "1") from comparison data set. • "UNC" = Unchanged record, no column changed from comparison data set. All delta columns are set to "0" • "REM" = Removed record, was part of previous data set. All delta columns are set to "2"
BO C Fund name	M	1!n	Delta on column C
BP D Umbrella id	M	1!n	Delta on column D
BQ E Umbrella name	M	1!n	Delta on column E
BR F OHA id	M	1!n	Delta on column F
BS G OHA name	M	1!n	Delta on column G
BT H CBL PoSK id	M	1!n	Delta on column H
BU I CBL PoSK name	M	1!n	Delta on column I
BV J Fund ccy	M	1!n	Delta on column J
BW K NAV ccy	M	1!n	Delta on column K

2. Published Fund List - file specifications

Column/Field name	M/O	Format	Content
BX L CBL decimal places	M	1!n	Delta on column L
BY M Vestima cut-off time for redemptions	M	1!n	Delta on column M
BZ N CBL redemption settlement	M	1!n	Delta on column N
CA O Fund cut-off redemption (NAV day)	M	1!n	Delta on column O
CB P Fund cut-off redemption (dealing day)	M	1!n	Delta on column P
CC Q Fund cut-off time for redemptions	M	1!n	Delta on column Q
CD R Fund redemption time zone	M	1!n	Delta on column R
CE S Redemption settlement (NAV day)	M	1!n	Delta on column S
CF T Redemption settlement (dealing day)	M	1!n	Delta on column T
CG U Redemption lead time	M	1!n	Delta on column U
CH V Vestima cut-off time for subscriptions	M	1!n	Delta on column V
CI W CBL subscription settlement	M	1!n	Delta on column W
CJ X Fund cut-off subscription (NAV day)	M	1!n	Delta on column X
CK Y Fund cut-off time for subscriptions (dealing day)	M	1!n	Delta on column Y
CL Z Fund cut-off time for subscriptions	M	1!n	Delta on column Z
CM AA Fund subscription time zone	M	1!n	Delta on column AA
CN AB Subscription settlement (NAV day)	M	1!n	Delta on column AB
CO AC Subscription settlement (dealing day)	M	1!n	Delta on column AC
CP AD Subscription lead time	M	1!n	Delta on column AD
CQ AE Payment	M	1!n	Delta on column AE
CR AF Fund Processing Group (Default)	M	1!n	Delta on column AF
CS AG Fund market group	M	1!n	Delta on column AG
CT AH Fund manager id	M	1!n	Delta on column AH
CU AI Fund manager name	M	1!n	Delta on column AI
CV AJ CBL PoSK type	M	1!n	Delta on column AJ
CW AK Class	M	1!n	Delta on column AK
CX AL Fund category	M	1!n	Delta on column AL
CY AM Legal structure	M	1!n	Delta on column AM
CZ AN Market ref for BD	M	1!n	Delta on column AN
DA AO NAV frequency	M	1!n	Delta on column AO
DB AP NAV frequency description	M	1!n	Delta on column AP
DC AQ Dealing frequency (redemption)	M	1!n	Delta on column AQ
DD AR Dealing frequency description (redemption)	M	1!n	Delta on column AR
DE AS Dealing frequency (subscription)	M	1!n	Delta on column AS
DF AT Dealing frequency description (subscription)	M	1!n	Delta on column AT

2. Published Fund List - file specifications

Column/Field name	M/O	Format	Content
DG AU Maximum redemption fee (%)	M	1!n	Delta on column AU
DH AV Subscription minimum initial cash amount	M	1!n	Delta on column AV
DI AW Maximum subscription fee (%)	M	1!n	Delta on column AW
DJ AX Issuer (!)CSD	M	1!n	Delta on column AX
DK AY ETF	M	1!n	Delta on column AY
DL AZ OHA settlement account	M	1!n	Delta on column AZ
DM BA FIA	M	1!n	Delta on column BA
DN BB T2S active	M	1!n	Delta on column BB
DO BC Subscription by amount	M	1!n	Delta on column BC
DP BD Subscription by quantity	M	1!n	Delta on column BD
DQ BE Redemption by amount	M	1!n	Delta on column BE
DR BF Redemption by quantity	M	1!n	Delta on column BF
DS BG Switch by amount (1-to-1)	M	1!n	Delta on column BG
DT BH Switch by quantity (1-to-1)	M	1!n	Delta on column BH
DU BI Switch by amount (1-to-n)	M	1!n	Delta on column BI
DV BJ Switch by quantity (1-to-n)	M	1!n	Delta on column BJ

2. Published Fund List - file specifications

3. Published Fund List in fund domicile time zones - file specifications

Published Fund List in fund domicile time zone is available on a daily basis as:

- Standard report providing Vestima fund reference data in fund domicile time zone;
- Delta report providing Vestima fund reference data in fund domicile time zone and showing which attributes have changed compared to the previously generated report.

Each row in the specifications table below is referenced by a letter in the “Column” column. This corresponds to the column references when opening a file in standard spreadsheet software¹.

The “M/O” column indicates the usage of each field:

- M indicates mandatory² - information is always present
- O indicates optional - information is present when available or applicable.

Note: The Standard and Delta report version of Published Fund List in fund domicile time zones are only available for retrieval via Vestima web-browser interface and Xact File Transfer.

Shared content

Both report types contain the data described in the following table.

Column/Field name	M/O	Format	Content
A ISIN	O	12!c	International Securities Identification Number
B Common code	M	9!c	Identifier of the fund class allocated jointly by CBL and Euroclear Bank
C Fund name	M	100x	Descriptive name of the fund class
D Umbrella ID	O	8x	CFCL's identification of the umbrella or legal entity to which the fund class (compartment) belongs
E Umbrella name	O	40x	Name of the umbrella or legal entity to which the fund class (compartment) belongs
F OHA ID	M	8x	CFCL's identification of the Order Handling Agent (receiver of orders sent by CFCL on behalf of clients)
G OHA name	M	35x	Name of the Order Handling Agent
H CBL PoSK ID	M	2!c	CBL's identification of CBL's place of safekeeping
I CBL PoSK name	M	35x	Name of CBL's place of safekeeping
J Fund ccy	M	3!a	ISO code of the base currency the fund class

1. Please be aware that, with such software, you may experience formatting issues, in particular with regard to field separators and date values.
2. Replacement values will be used for fund classes where the data is not relevant and/or confidential.

3. Published Fund List in fund domicile time zones - file specifications

Column/Field name	M/O	Format	Content
K NAV ccy	M	3!a[/3!a]...	ISO currency code(s) of the Net Asset Value (NAV) of the fund class; when more than one, separated by forward slash ("/")
L CBL decimal places	M	1!n	Number of decimals available for CBL's record keeping of the fund class, in the range of 0 to 6 inclusive
M Vestima cut-off time for redemptions	0	time	Time before which a redemption order must reach CBL for a secured forwarding to the OHA for further execution.
N Vestima Redemption time zone	0	40x	Vestima redemption cut-off time zone according to the prospectus (follows the DST where applicable), example "Europe/Luxembourg". Format based on openfunds field "Time Zone For Cut-off Using TZ Database" (ID OFST410092). For further details: openfunds fields
O CBL redemption settlement	0	3!a	CBL settlement method for redemptions, when present, one of the following: <ul style="list-style-type: none"> • "DVP" = Delivery versus payment • "FPC" = Free of payment contractual
P Fund cut-off redemption (NAV day)	0	25x	Day on which a redemption order must reach the OHA to be considered for the next NAV, expressed as "NAV Date" or "NAV Date -x BD", "NAV Date +x BD", "NAV Date -x CD", "NAV Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
Q Fund cut-off redemption (dealing day)	0	25x	Day on which a redemption order must reach the OHA to be considered for the next Dealing Date, expressed as "Dealing Date" or "Dealing Date -x BD", "Dealing Date +x BD", "Dealing Date -x CD", "Dealing Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
R Fund cut-off time for redemptions	0	time	Redemption cut-off time zone according to the prospectus.
S Fund redemption time zone	0	40x	Redemption cut-off time zone according to the prospectus (follows the DST where applicable), example "Europe/Luxembourg". Format based on openfunds field "Time Zone For Cut-off Using TZ Database" (ID OFST410092). For further details: openfunds fields
T Redemption settlement (NAV day)	0	25x	Settlement period for redemptions, expressed as "NAV Date", or "NAV Date +x BD", "NAV Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
U Redemption settlement (dealing day)	0	25x	Settlement period for redemptions, expressed as "Dealing Date", or "Dealing Date +x BD", "Dealing Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
V Redemption lead time	0	3n	Delta between CBL cut-off and fund cut-off for redemptions, given in minutes
W Vestima cut-off time for subscription	0	time	Time before which a subscription order must reach CFCL for a secured forwarding to the OHA for further execution.
X Vestima Subscription time zone	0	40x	Vestima subscription cut-off time zone according to the prospectus (follows the DST where applicable), example "Europe/Luxembourg". Format based on openfunds field "Time Zone For Cut-off Using TZ Database" (ID OFST410092). For further details: openfunds fields

3. Published Fund List in fund domicile time zones - file specifications

Column/Field name	M/O	Format	Content
Y CBL subscription settlement	0	3!a	CBL settlement method for subscriptions, when present, one of the following: <ul style="list-style-type: none"> • "DVP" = Delivery versus payment • "FPA" = Free of payment actual • "FPC" = Free of payment contractual • "FPP" = Free of payment prepaid
Z Fund cut-off subscription (NAV day)	0	25x	Day on which a subscription order must reach the OHA to be considered for the next NAV, expressed as "NAV Date" or "NAV Date -x BD", "NAV Date +x BD", "NAV Date -x CD", "NAV Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
AA Fund cut-off subscription (dealing day)	0	25x	Day on which a subscription order must reach the OHA to be considered for the next Dealing Date, expressed as "Dealing Date" or "Dealing Date -x BD", "Dealing Date +x BD", "Dealing Date -x CD", "Dealing Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
AB Fund cut-off time for subscriptions	0	time	Subscription cut-off time according to the prospectus
AC Fund subscription time zone	0	40x	Subscription cut-off time zone according to the prospectus (follows the DST where applicable), example "Europe/Luxembourg". Format based on openfunds field "Time Zone For Cut-off Using TZ Database" (ID OFST410092). For further details: openfunds fields
AD Subscription settlement (NAV day)	0	25x	Settlement period for subscriptions, expressed as "NAV Date", or "NAV Date -x BD", "NAV Date +x BD", "NAV Date -x CD", "NAV Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
AE Subscription settlement (dealing day)	0	25x	Settlement period for subscriptions, expressed as "Dealing Date", or "Dealing Date -x BD", "Dealing Date +x BD", "Dealing Date -x CD", "Dealing Date +x CD" where x = number of Business Days (BD) or Calendar Days (CD)
AF Subscription lead time	0	3n	Delta between CBL cut-off and fund cut-off for subscriptions, given in minutes
AG Payment	0	18x	When a subscription order is to be paid, either "On Order" (for prepaid subscriptions), "On Settlement Date" or (if the payment method cannot be determined) "Undefined"
AH Fund Processing Group (Default)	M	11x	Fund Processing Group (Default) will allow a client to identify the defaulted order routing venue as follows: <ul style="list-style-type: none"> • "Vestima" • "VestimaPRIME" • "No Order Routing" - only custody and settlement are supported • "CBL ineligible" - ISIN is non-qualified at CBL
AI Fund market group	M	35x	Category of pricing, one of the following: <ul style="list-style-type: none"> • "A" = Fund market group A pricing • "B" = Fund market group B pricing • "C" = Fund market group C pricing • "CFF Hosted" = (CFF) Hosted pricing
AJ Fund manager id	0	8x	CFCL's identification of the fund manager
AK Fund manager name	0	254x	Name of the fund manager

3. Published Fund List in fund domicile time zones - file specifications

Column/Field name	M/O	Format	Content
AL CBL PoSK type	0	8a	Type of CBL's place of safekeeping: <ul style="list-style-type: none"> • "CFF" = the fund class is held directly on the fund's register of shareholders via CFF • "DOMESTIC", "COMMON", "SPECIAL" = as defined on the Clearstream website
AM Class	0	4x	Specification of the shares of the fund class
AN Fund category	0	4a	Dividend policy of the fund class, when present, one of the following: <ul style="list-style-type: none"> • "DIST" = distribution • "CAP" = capitalisation
AO Legal structure	0	16x	Definition of the legal structure of the fund (for example, "SICAV", "FCP")
AP Market ref for BD	0	40x[/40x]...	Name(s) of jurisdiction or stock exchange used to specify the valuation days of the fund class; when more than one, separated by forward slash ("/")
AQ NAV frequency	0	12a	Frequency of the NAV calculation: <ul style="list-style-type: none"> • "DAILY" • "WEEKLY" • "MONTHLY" • "QUARTERLY" • "ANNUALLY"
AR NAV frequency description	0	254x	Description of the NAV frequency (for example, "WEEKLY-THURSDAY"), when more than one, separated by forward slash ("/") (for example, "WEEKLY-THURSDAY/MONTHLY-LAST BUSINESS DAY")
AS Dealing frequency (redemption)	0	15x	Frequency of the dealing days for redemptions: <ul style="list-style-type: none"> • "DAILY" • "WEEKLY" • "MONTHLY" • "QUARTERLY" • "ANNUALLY"
AT Dealing frequency description (redemption)	0	254x	Description of the dealing frequency for redemptions (for example, "WEEKLY-THURSDAY"), when more than one, separated by forward slash ("/") (for example, "WEEKLY-THURSDAY/MONTHLY-LAST BUSINESS DAY")
AU Dealing frequency (subscription)	0	15x	Frequency of the dealing days for subscriptions: <ul style="list-style-type: none"> • "DAILY" • "WEEKLY" • "MONTHLY" • "QUARTERLY" • "ANNUALLY"
AV Dealing frequency description (subscription)	0	254x	Description of the dealing frequency for subscriptions (for example, "WEEKLY-THURSDAY"), when more than one, separated by forward slash ("/") (for example, "WEEKLY-THURSDAY/MONTHLY-LAST BUSINESS DAY")
AW Maximum redemption fee (%)	0	15x	Maximum redemption fees according to the prospectus
AX Subscription minimum initial cash amount	0	3!a 10n	Minimum initial cash amount (including currency code) required for subscriptions according to the prospectus

3. Published Fund List in fund domicile time zones - file specifications

Column/Field name	M/O	Format	Content
AY Maximum subscription fee	0	15x	Maximum subscription fees according to the prospectus
AZ Issuer (I)CSD	0	11!c	BIC of issuing (I)CSD
BA ETF	0	11!a	CFCL's classification as exchange traded fund ("Y" or "N")
BB OHA settlement account	0	50x	Counterparty settlement account for OIs. Single account if settlement in CBL. PSET and xEAG if settlement in domestic depository
BC FIA	0	50x	Fund Issuance Account for CFF qualified fund shares
BD T2S active	M	1!a	Specification if the fund is active in T2S ("Y" or "N")
BE Subscription by amount	0	1!a	Specification if order type applies ("Y" or "N")
BF Subscription by quantity	0	1!a	Specification if order type applies ("Y" or "N")
BG Redemption by amount	0	1!a	Specification if order type applies ("Y" or "N")
BH Redemption by quantity	0	1!a	Specification if order type applies ("Y" or "N")
BI Switch by amount (1-to-1)	0	1!a	Specification if order type applies ("Y" or "N")
BJ Switch by quantity (1-to-1)	0	1!a	Specification if order type applies ("Y" or "N")
BK Switch by amount (1-to-n)	0	1!a	Specification if order type applies ("Y" or "N")
BL Switch by quantity (1-to-n)	0	1!a	Specification if order type applies ("Y" or "N")

Published Fund List in fund domicile time zone with Delta

In addition to the table with shared content (see above), the Published Fund List in fund domicile time zone with Delta also has the information described in the following table.

Column/Field name	M/O	Format	Content
BM Removal reason	0	18x	Reason why an ISIN has been removed from current data set (for example, matured)
BN Previous report date	M	date	Date of data set that is used for comparison
BO Current report date	M	date	Date of current data set
BP Change type	M	3!a	Identifies the type of record change: <ul style="list-style-type: none"> • "NEW" = New record (not contained in comparison data set). All delta columns are set to "1" • "CHG" = Changed record, one or more columns changed (delta indicator "1") from comparison data set. • "UNC" = Unchanged record, no column changed from comparison data set. All delta columns are set to "0" • "REM" = Removed record, was part of previous data set. All delta columns are set to "2"
BQ C Fund name	M	1!n	Delta on column C
BR D Umbrella id	M	1!n	Delta on column D
BS E Umbrella name	M	1!n	Delta on column E
BT F OHA id	M	1!n	Delta on column F
BU G OHA name	M	1!n	Delta on column G
BV H CBL PoSK id	M	1!n	Delta on column H

3. Published Fund List in fund domicile time zones - file specifications

Column/Field name	M/O	Format	Content
BW I CBL PoSK name	M	1!n	Delta on column I
BX J Fund ccy	M	1!n	Delta on column J
BY K NAV ccy	M	1!n	Delta on column K
BZ L CBL decimal places	M	1!n	Delta on column L
CA M Vestima cut-off time for redemptions	M	1!n	Delta on column M
CB N Vestima redemption time zone	M	1!n	Delta on column N
CC O CBL redemption settlement	M	1!n	Delta on column O
CD P Fund cut-off redemption (NAV day)	M	1!n	Delta on column P
CE Q Fund cut-off time for redemptions (dealing day)	M	1!n	Delta on column Q
CF R Fund cut-off for redemptions	M	1!n	Delta on column R
CG S Fund redemption time zone	M	1!n	Delta on column S
CH T Redemption settlement (NAV day)	M	1!n	Delta on column T
CI U Redemption settlement (dealing day)	M	1!n	Delta on column U
CJ V Redemption lead time	M	1!n	Delta on column V
CK W Vestima cut-off for subscriptions	M	1!n	Delta on column W
CL X Vestima subscription time zone	M	1!n	Delta on column X
CM Y CBL subscriptions settlement	M	1!n	Delta on column Y
CN Z Fund cut-off subscription (NAV day)	M	1!n	Delta on column Z
CO AA Fund cut-off subscription (dealing day)	M	1!n	Delta on column AA
CP AB Fund cut-off time for subscriptions	M	1!n	Delta on column AB
CQ AC Fund subscription time zone	M	1!n	Delta on column AC
CR AD Subscription settlement (NAV day)	M	1!n	Delta on column AD
CS AE Subscription settlement (dealing day)	M	1!n	Delta on column AE
CT AF Subscription lead time	M	1!n	Delta on column AF
CU AG Payment	M	1!n	Delta on column AG
CV AH Fund Processing Group (Default)	M	1!n	Delta on column AH
CW AI Fund market group	M	1!n	Delta on column AI
CX AJ Fund manager id	M	1!n	Delta on column AJ
CY AK Fund manager name	M	1!n	Delta on column AK
CZ AL CBL PoSK type	M	1!n	Delta on column AL
DA AM Class	M	1!n	Delta on column AM
DB AN Fund category	M	1!n	Delta on column AN
DC AO Legal structure	M	1!n	Delta on column AO
DD AP Market ref for BD	M	1!n	Delta on column AP
DE AQ NAV frequency	M	1!n	Delta on column AQ
DF AR NAV frequency description	M	1!n	Delta on column AR

3. Published Fund List in fund domicile time zones - file specifications

Column/Field name	M/O	Format	Content
DG AS Dealing frequency (redemption)	M	1!n	Delta on column AS
DH AT Dealing frequency description (redemption)	M	1!n	Delta on column AT
DI AU Dealing frequency (subscription)	M	1!n	Delta on column AU
DJ AV Dealing frequency description (subscription)	M	1!n	Delta on column AV
DK AW Maximum redemption fee (%)	M	1!n	Delta on column AW
DL AX Subscription minimum initial cash amount	M	1!n	Delta on column AX
DM AY Maximum Subscription fee (%)	M	1!n	Delta on column AY
DN AZ Issuer (I)CSD	M	1!n	Delta on column AZ
DO BA ETF	M	1!n	Delta on column BA
DP BB OHA settlement account	M	1!n	Delta on column BB
DQ BC FIA	M	1!n	Delta on column BC
DR BD T2S active	M	1!n	Delta on column BD
DS BE Subscription by amount	M	1!n	Delta on column BE
DT BF Subscription by quantity	M	1!n	Delta on column BF
DU BG Redemption by amount	M	1!n	Delta on column BG
DV BH Redemption by quantity	M	1!n	Delta on column BH
DW BI Switch by amount (1-to-1)	M	1!n	Delta on column BI
DX BJ Switch by quantity (1-to-1)	M	1!n	Delta on column BJ
DY BK Switch by amount (1-to-n)	M	1!n	Delta on column BK
DZ BL Switch by quantity (1-to-n)	M	1!n	Delta on column BL

3. Published Fund List in fund domicile time zones - file specifications

Contact

www.clearstream.com

Published by

Clearstream Fund Centre S.A..

Registered address

Clearstream Banking S.A.
42, Avenue JF Kennedy
L-1855 Luxembourg

Postal address

Clearstream Banking
L-2967 Luxembourg

June 2023

Document number: 7418
