AnaCredit data delivery agreement

Status: Final

Reference number

P012-1633749633-373

De**Nederlandsche**Bank

EUROSYSTEEM

AnaCredit Data delivery agreement for reporting agents v2.6.1

**REGULATION (EU) 2016/867 OF THE EUROPEAN CENTRAL BANK of 18
May 2016 on the collection of granular credit and credit risk data
(ECB/2016/13)**

**Owner: Statistics Division
Manager Monetary and Banking Statistics Department**

DNB-public

Version 2.6.1

**DNB-GLO-CODE:
DNB_STAT_ANACREDIT_GLO_M**

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SUMMARY OF VERSIONS AND STATUS

Version history

Version	Date	Comment	Author(s)
0.1	7 July 2016	First version of this document based on DDA template	Arjan Bos
0.2	28 July 2016	Processed outstanding questions	Arjan Bos
0.3	22 August 2016	Processed new questions	Arjan Bos
0.4	21 September 2016	Adjustments in response to review	Arjan Bos and Ronald Kunenborg
0.4.1	3 October 2016	Additions from AnaCredit collection cube structure	Arjan Bos
0.4.2	13 October 2016	Process model added	Ronald Damhof and Arjan Bos
0.6	20 October 2016	Further elaboration and details	Ronald Damhof and Arjan Bos
0.6.1	December 2016	Translated into English	Translators
0.6.1	December 2016	Added clarification on responsibilities for data quality and content. Added consistency remark on mixing monthly and quarterly reporting.	Arjan Bos
0.9	January 2017	Added updated validation strategy, Appendix A and B, non-applicable, dummy records (-2), reviewing consistency within DDA chapters, Aligning LDM 1.0 with DDA 1.0, review remarks stakeholders.	Ronald Damhof Arjan Bos Wim Goes
1.0	February 2017	Final version	Arjan Bos
1.0.1	February 2017	Added disclaimer	Arjan Bos Ronald Damhof
1.0.2	March 2017	Added paragraph on who is expected to send data to DNB Updated business rules List of columns in csv specification now matches the order of the attributes in the LDM	Arjan Bos Ronald Damhof
1.0.3	April 2017	Updated RIAD / LEI information in header file. Updated csv files. New files are added for drawn instrument and non-fixed interest instrument. Appendices A, B and D are updated to match the new business rules and LDM additions.	Arjan Bos Roland Hommes
1.1	June 2017	Revised submission process and demands. Updated validation strategy Logical validation results are not sent back via Logius, but are only available via the digital reporting portal	Arjan Bos Ronald Damhof Roland Hommes
1.1.1	July 2017	Fixed a copy error on the data delivery process. Changed the text DGS and DGS SCV to AnaCredit	Arjan Bos
1.2	October 2017	Updated the section on validation of completeness. Added text to explain that only qualifying instruments are to be reported, also in the repeated quarterly delivery. Updated the section on the lay-out of .csv files Updated the section on dealing with Logius. Note: The encryption method is changed.	Arjan Bos Roland Hommes
1.2.1	December 2017	Small updates regarding csv headers. They are still mandatory, but now it's made more clear.	Arjan Bos
1.2.2	January 2018	Small updates regarding business rules.	Arjan Bos
1.2.3	March 2018	Finalized data delivery codes. Update to the reporting of the location of real estate collateral	Arjan Bos
1.2.4	March 2018	Clarified the text on reporting natural persons.	Arjan Bos

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1.2.5	September 2018	Updated and added some validation rules and domain specifications mentioned in release notes 1.2.5.xlsx	Arjan Bos Alco van Neck
1.3	November 2018	Added and deleted some validation rules, changed some domain specifications and changed fixed character data types to variable character data types.	Iris Balemans
1.3.1	January 2019	Due to a mix-up in versions of documentation some business rules were deleted/added unjustly	Iris Balemans
1.4	January 2019	Implemented moderate changes for the banks and changed the Logius message name to 'DNB_rapportages'	Iris Balemans
1.4.1	March 2019	Update because of an update by ECB concerning the national identifiers, and because of a clarification and corrections of business rules	Iris Balemans
1.4.2	March 2019	Small update because of a correction in a domain code, and because of the existence of rules in the physical implementation which were implicitly in the LDM. Made them explicit.	Iris Balemans
2.0	April 2019	New version with small updates to the Logical Data Model. This impacted the lay-out of the following .csv files: • 'counterparty.csv' • 'legal_entity.csv' • 'instrument.csv' • 'servicer_instrument.csv' • 'foreign_branch_protection_provider.csv' • 'debtor_risk_data.csv' • 'foreign_branch_debtor.csv' • 'debtor_instrument_data.csv' List of files that are no longer requested: • 'attribute_combination_delivery.csv' • 'attribute_delivery.csv'.	Arjan Bos
2.0.3	November 2019	Updated validation rules with version 1.5 of ECB validation. Added new blocking validation to ensure all observed agents are reported.	Arjan Bos
2.0.4	June 2020	Added possibility to report SOFR and €STR as reference rates. This is restricted to overnight maturity by a **blocking** validation rule.	Arjan Bos
2.1	June 2020	Harmonised the reporting of surrogate values to allow reporting of the value "Unknown" directly or choose a semantical equivalent from a reference list.	Arjan Bos
2.2	June 2021	• Netherlands is explicitly noted as a reporting member state. • Added the posibility to report the postal code as the location of immovable properties. • Counterparty default status cannot be reported as "Non-applicable". • Adjusted text to the fact that there are no reporting agents with a quarterly reporting obligation.	Arjan Bos
2.2.2	March 2022	Added business rule dmc0053 for implementation reasons to check the postal code format.	Arjan Bos
2.3	May 2022	Updated the sentence in 1.12 on how to deal with encryption. Added link to the document with the list of postal code formating rules to the reference documents in 1.2.	Arjan Bos

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		Updated paragraph 2.7.6 Validation of completeness. It details the new process on reporting rowcount in entity type delivery. Updated the hyperlinks to the webpage of DNB that contains the AnaCredit information.	
2.4.	Sept 2022	Renamed local_counterparty_identicator to resident_counterparty_indicator in 3.3.1 conform LDM	Vincent Jungen
2.5	June 2023	Renamed entity "foreign counterparty with regular national identifier" to "foreign counterparty with regular identifier"	Alco van Neck
2.5.1	July 2023	Removed list of validations from Appendix A and B and linked to the validation rules Excel file.	Alco van Neck
2.6	April 2024	Updated the version of de validation rules spreadsheet.	Lucy Wang
2.6.1	April 2024	Removed the reference to version numbers in Appendix A and B.	Lucy Wang

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1 DATA DELIVERY AGREEMENT

1.1 Subject of the agreement

This agreement provides for the delivery of credit data, credit risk data and information about counterparties to De Nederlandsche Bank (DNB) for the purpose of REGULATION (EU) 2016/867 OF THE EUROPEAN CENTRAL BANK of 18 May 2016 on the collection of granular credit and credit risk data (ECB/2016/13).

This agreement sets out the arrangements concerning:

- the data to be delivered, and the delivery medium, format and frequency;
- the conditions and obligations to be observed by reporting agents towards DNB;
- the conditions and obligations to be observed by DNB towards the reporting agents, and
- changes to the agreement.

1.2 Reference documents

Document	
REGULATION (EU) 2016/867 OF THE EUROPEAN CENTRAL BANK of 18 May 2016 on the collection of granular credit and credit risk data (ECB/2016/13)	https://www.ecb.europa.eu/stats/money_credit_banking/anacredit/html/index.en.html
Explanatory note on the ECB Regulation on the collection of granular credit and credit risk data	https://www.ecb.europa.eu/stats/money_credit_banking/anacredit/html/index.en.html
Feedback statement Responses to the observations on the draft European Central Bank Regulation on the collection of granular credit and credit risk data	https://www.ecb.europa.eu/stats/money_credit_banking/anacredit/html/index.en.html
AnaCredit reporting manual Part I – General Methodology	https://www.ecb.europa.eu/stats/money_credit_banking/anacredit/html/index.en.html
AnaCredit reporting manual Part II – Datasets and data attributes	https://www.ecb.europa.eu/stats/money_credit_banking/anacredit/html/index.en.html
AnaCredit 2.a – Collection Cube Structure (draft)	ECB-restricted
AnaCredit 2.b – Collection Code lists (draft)	ECB-restricted
AnaCredit validation checks	https://www.ecb.europa.eu/stats/money_credit_banking/anacredit/html/index.en.html
List of national identifiers	https://www.ecb.europa.eu/stats/money_credit_banking/anacredit/html/index.en.html
List of legal forms	https://www.ecb.europa.eu/stats/money_credit_banking/anacredit/html/index.en.html
List of postal codes formatting rules	https://www.ecb.europa.eu/stats/money_credit_banking/anacredit/html/index.en.html
Reporting population and reference population	DNB-public
National implementation document	DNB-public

1.3 Data delivery, global overview

An overview of the design, run and control processes of the data exchange for AnaCredit is depicted in Figure 1.

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¹ Data Delivery Agreement
² Logisch Data Model
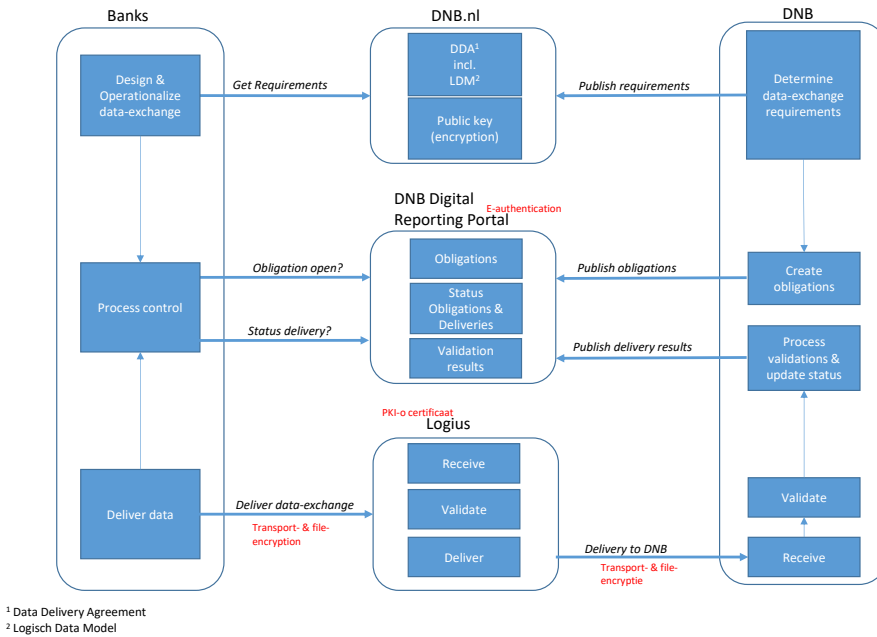
Figure 1: Design, Run and Control overview of AnaCredit data exchange

Global description of the process:

- DNB determines the AnaCredit data-exchange specifications (Data Delivery Agreement, Logical Data Model);
- DNB publishes these specifications, including the public key for encryption on the website of DNB;
- Banks use this information to operationalize the AnaCredit data exchange;
- DNB publishes the AnaCredit data-exchange obligations in the DNB Digital Reporting Portal;
- Banks have secure access to the DNB Digital Reporting Portal where they can view the obligation;
- Banks deliver the AnaCredit data exchange files to Logius, transport as well as files are encrypted;
- Logius receives the data, performs a number of technical checks and send a delivery notification back to the bank. Subsequently Logius is pushing the data to DNB;
- DNB receives the data, performs a number of technical and logical validations, updates the status of the obligation and publishes the outcome of these validations to the DNB Digital Reporting Portal;
- Designated (by the bank) employees will receive a notification;
- Banks can view these outcomes (and status) in the DNB Digital Reporting Portal.

In outline, the total data delivery has the features described below. Chapter 2 discusses the delivery of each file in greater detail.

1.4 Monthly and quarterly delivery

Reporting agents submit data monthly. Reporting agents are expected to make a data delivery only once a month. According to the AnaCredit regulation the accounting data and the risk data are to be delivered on a quarterly basis. However, reporting agents are expected to also submit the most recent quarterly data each month. These quarterly data remain unchanged until the next quarterly delivery is made. Section 2.6 discusses this in detail.

This is to prevent reporting agents from having to make different deliveries (one for the quarter and one for the month). It also serves to ensure that only one delivery is expected at any one time.

Specifically, the following entity types are requested monthly, but have data that is expected to be refreshed on a quarterly basis.

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- accounting data
- fully derecognised instrument being serviced
- recognised instrument
- instrument not subject to impairment
- impaired instrument
- debtor risk data
- protection provider risk data

Please take note of the fact that only those records are expected for which a qualifying instrument is available in the instrument entity type.

Delivery frequencies are detailed in the delivery schedule (see 3.6).

1.5 Data quality strategy

In the context of data exchanges under the AnaCredit Regulation, there is always tension between the desire to process data as quickly as possible so that they are available to DNB and the desire to thoroughly review the quality of the data before they are made available. A high degree of availability often compromises checks, with all its consequences for the quality of the data and, consequently, their use and interpretation. Another factor to consider is costs, which are often incurred downstream to make the data fit for purpose.

In striking a balance between data quality and availability, DNB has adopted the following approach:

- it is explicitly stated what rules are checked that lead to an acceptance of the delivery obligation (2.5) and with which parties in the chain can unequivocally establish whether they are able to meet the delivery obligation;
    - [1]   a number of checks that are technical in nature (Logius subscription, XML validity, PKI-o validity, existence recipient, valid MIME, etc...)
    - [2]   a reporting obligation for a reporting period in the Digital Reporting Portal of DNB (imperative check)
    - [3]   a file structure specification as described in the Data Delivery Agreement (structure check)
    - [4]   a highly specified and formalised logical data model (3.2) which specifies explicitly all the blocking validation rules (constraints, appendix A) within the data delivery set;
    - [5]   on top of that, a list of validation rules (appendix B) that are not explicitly modelled[1] but are checked:
- there is a category of validation rules that are labelled as 'signalling', meaning potentially blocking;[2]
- reporting agents are informed as soon as possible with regard to the blocking validation results if a delivery cannot be accepted, subsequently the delivery is not accepted. When the reporting agent meets the blocking validation rules, it has met its delivery obligation;
- reporting agents are informed about the results of signalling rules – the delivery will be accepted; informing reporting agents allows reporting agents to start improving their internal processing chain/data quality;
- having accepted a data delivery, DNB conducts checks that involve other data as the data delivered, these rules are labelled as 'signalling' and are stated in appendix B;
- signalling rules may call for resubmission, i.e. an obligation to resubmit data for a period for which data were submitted earlier.

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[1] Also rules that are somewhat implicit in the logical data model have been explicitly repeated in Appendix A and B, e.g. specialisation model constraints and domain constraints for attributes with exclusions.
[2] This means that they initially have a warning status (and do not affect the acceptance of the delivery) but are intended to eventually turn into blocking rules.

Please note that also data deliveries which cannot be validated will be recorded for management information purposes both internally and towards the ECB.

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1.6   Reporting agent's responsibilities/obligations

The reporting agent undertakes to:

- enable access to DNBs Digital Reporting Portal;
- have a working connection with Logius;
- deliver and, if necessary, redeliver data in accordance with the applicable specifications;
- arrange for the data to be protected from access by unauthorised individuals;
- notify DNB in advance if it is unable to deliver the data by the specified deadline, i.e. 4 p.m. on the penultimate day of the period within which the data delivery must be made;
- deliver data in accordance with the applicable obligation (including delivery deadlines) until the validation rules are met;
- provide information if plausibility analyses prompt DNB to request a clarification;
- keep an archive of AnaCredit data that has been exchanged for a period of 5 years;
- comply with requests for resubmission.

DNB expects to receive data directly (via Logius) from the banks. Currently, it is not foreseen to transport data via intermediaries.

1.7   DNB's responsibilities/obligations

DNB will provide adequate specifications to enable reporting agents to meet their obligation.

DNB will notify reporting agents of data delivery issues, including:

- blocking validation rules (see for details, paragraph 2.5):
  - *technical:* is the incoming data technically compliant with regard to Logius requirement (subscription, PKI-O, etc...) and DNB (decryptable, unzippable, etc...)?
  - *administrative*: is the incoming data delivery in line with the obligation imposed by DNB?
  - *structure*: do the deliveries comply with the required naming and structure?
  - *logical*: do the data meet the validation rules of the logical data model and is the data delivery complete?
- If possible, automated feedback is given on signalling validation rules.
- Feedback on plausibility checks[3] in case DNB requires additional information after considering the results of plausibility checks.

DNB will arrange for sufficient data protection measures in accordance with the information classification level.

1.8   Compliance framework

This section will describe when reporting agents are not compliant and what implications this has, based on the ECB guidelines. This section will be elaborated once these guidelines are available from the ECB.

The reporting agent is responsible for all of the data they submitted, or should have submitted to DNB. All data that DNB receives via other sources, like the counterparty reference data of Dutch counterparties from the national statistics institute CBS, is not the responsibility of the reporting agent. Any question that either DNB or ECB has on data received from the reporting agent is for the reporting agent to answer. Questions on data received from other sources are the responsibility of those sources and are not the responsibility of the reporting agent.

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[3] The first priority is to provide feedback on blocking validation rules. DNB's ambition is to also distribute feedback reports on signalling validation rules, with a view to preparing reporting institutions for validation rules that will *eventually* turn into blocking rules.

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1.9   Data ownership and information classification

Subject	Who/what
Owner within DNB:	Statistics Division, Monetary and Banking Statistics Department Manager

Criticality assessment performed (Y/N)	By	Result
Yes	Data owner DNB	DNB-CONFIDENTIAL

DNB classification	Explanatory notes
DNB-PUBLIC	Information classified as **DNB-PUBLIC** is accessible to all stakeholders within and outside of DNB.
DNB-UNRESTRICTED	Access to information classified as **DNB-UNRESTRICTED** must be limited exclusively to persons employed by or performing work at DNB.
DNB-RESTRICTED	Information classified as **DNB-RESTRICTED**, can be made accessible to persons who are involved in the matter or would benefit from a general awareness of it in accordance with the rules of DNB.
DNB-CONFIDENTIAL	For information classified as **DNB-CONFIDENTIAL**, access should be limited to persons who "need to know", i.e. those who require the information for the proper performance of professional duties. "Need to know" should be interpreted broadly enough to enable staff to (a) access information relevant to their tasks; and (b) take over tasks from colleagues with minimal delay in the event of absences. "Need to know" access should be authorised at the appropriate level within DNB.
DNB-SECRET	For information classified as **DNB-SECRET**, access should be strictly limited to persons who are directly involved in the matter and whose "need to know" access is explicitly authorised, to the extent possible in a traceable way, at the appropriate level within DNB.

Subject	Required?	Explanatory notes
Encryption	Yes	Data transport and content will be encrypted from the transporter to DNB. Data encryption is the transporter's responsibility and DNB will oversee it. Data transport encryption from the reporting agent to the transporter is the reporting agent's responsibility. Data encryption of the .zip file is the responsibility of the reporter.
Anonymisation	No	Anonymisation does not apply. AnaCredit data are not related to natural persons.

1.10   Changes to the agreement

In the event of changes to the agreement, the procedure described in section 5.3 (Changes to the agreement) is followed.

1.11   Administrative processing

DNB records this document under reference number P012-1633749633-373

Although great care has been put into creating the logical data model and supporting documents, no guarantee can be given with regards to the technical correctness of the contents.

List of documents pertaining to the data delivery agreement:

Document	Remarks
Document National Implementatie	
Data delivery agreement	This document
DNB AnaCredit Business Terms	Ontology and reference data sets
Reporting population and reference population	

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Logisch datamodel AnaCredit	Report of the Logical data model
AnaCredit GLO LDM	PowerDesigner file containing the LDM
AnaCredit Release Notes	List of changes to the DDA
Logius documentation	Description of the steps necessary to deliver the report via Logius portal to DNB.

1.12 Data integrity

The demands regarding the integrity of AnaCredit data are classified as **very high**. As such, the following measures are taken to ensure compliance:

- The AnaCredit data exchange is encrypted in transport as well as in rest. Please refer to the logius documentation on how to properly use encryption.
- The pay-out file needs to consist of a deterministic number of files, DNB will validate the number of delivered files;
- The files are hashed and the hash needs to be calculated by the banks upon delivery. DNB will validate these hashes when receiving the files, to ensure the files have been received exactly as the banks have send it.
- The content of the data is hashed as well and the hash needs to be calculated by the banks upon delivery. DNB will validate these completeness-hashes to ensure the data is received by DNB exactly as the banks have sent it.

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2 FILE DELIVERY SPECIFICATIONS

2.1 Deliveries and files for each data delivery agreement

This section describes the content of the AnaCredit data exchange, excluding Logius related files. The file interfaces and files are specified below. The following tables list the files that must be reported under the DDA in question. Reporting agents deliver data on the basis of *not more than* one DDA.

GLO code[4]	Frequency	Source file
DNB_STAT_ANACREDIT_GLO_M	*Monthly*	A (win)zipped container where the name of the container can be determined by the bank but must adhere to the following pattern: [a-zA-Z0-9_-] (numbers, letters, underscore and hyphen)

All files under each DDA code must be submitted, see below.

.csv files to be included in the delivery	Container
dnbmetadata.xml	X
accounting_data.csv	X
address.csv	X
collateral_located_in_a_reporting_member_state.csv	X
contract.csv	X
counterparty.csv	X
credit_card_debt_instrument.csv	X
credit_lines_other_than_revolving_credit_instrument.csv	X
creditor_instrument_data.csv	X
current_account_instrument_with_credit_limit.csv	X
debtor.csv	X
debtor_default_data.csv	X
debtor_risk_data.csv	X
debtor_instrument_data.csv	X
deteriorated_credit_risk_instrument.csv	X
drawn_instrument.csv	X
entity_type_delivery.csv	X
financial_data.csv	X
foreign_branch_debtor.csv	X
foreign_branch_protection_provider.csv	X
foreign_counterparty.csv	X
foreign_counterparty_with_other_national_identifier.csv	X
foreign_legal_entity.csv	X
foreign_legal_entity_in_reporting_member_state.csv	X
immovable_property.csv	X
impaired_instrument.csv	X
instrument.csv	X
instrument_past_due.csv	X
instrument_subject_to_securitisation.csv	X
instrument_protection_received_data.csv	X
interest_only_instrument.csv	X
joint_liability.csv	X
legal_entity.csv	X
non_fixed_interest_instrument.csv	X
observed_agent_delivery.csv	X
originator_securitized_instrument_data.csv	X
other_loans_instrument.csv	X
overdraft_instrument.csv	X
part_of_legal_entity.csv	X

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[4] The abbreviation GLO is the Dutch translation of the data delivery agreement and translates to "gegevensleveringsovereenkomst". To enhance comprehension on DNB side when providing support, the term GLO code is used in favour of its English translation.

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protection_provider.csv	X
protection_provider_default_data.csv	X
protection_provider_risk_data.csv	X
protection_provider_protection_received.csv	X
protection_received.csv	X
recognised_instrument.csv	X
reporting_agent_delivery.csv	X
revolving_credit_other_than_overdrafts_and_credit_card_debt_instrument.csv	X
servicer_instrument_data.csv	X
syndicated_contract_member.csv	X

2.2   Access to DNB Digital Reporting Portal

All agreements and obligations for AnaCredit, the data deliveries, its statuses and the validation results are published in DNB Digital Reporting Portal. Banks are required to have access to this portal. Instructions are published on the DNB website[5].

2.3   Delivery of data to DNB using Logius Digipoort

DNB expects that the reporting agent delivers its reports via the Logius portal. In order to do this, please use the values listed below.

Variable	Value(s) to be used	Options
Logius issued message name	DNB_rapportages	DNB_rapportages
Reporter identifier	NL…	Please use the value for your organization as published in the AnaCredit reporting population document on the DNB website.
Data Delivery Code	ZGRACRMANAXXXX[6]	
GLO code	DNB_STAT_ANACREDIT_GLO_M	
Hashing method	SHA-256	SHA-0, SHA-1, SHA-256, SHA-512
Encryption method	Yes, AES-256	AES, DES, Rijndael, RC2, 3DES
Data file types	CSV, semicolon separated	CSV, PDF, JSON, XML, XBRL, SDMX

Details on how to use the Logius portal, including the checks done by Logius and DNB, can be found in the document called on the AnaCredit part of the DNB website[7].

2.4   <entity>.csv file interface

This section describes the metadata aspects of .csv files. Reporting agents must deliver one file for each of the entities described below. In addition, an exhaustive list of attributes is provided that are to be delivered for each file. As a rule, one .csv file must be submitted for each entity type in the logical data model, where only entity types that contain extra information in addition to their primary key attribute or attributes, are subject to delivery. "Extra information" means an attribute of its own or a foreign key to another entity type, or when the existence of a tuple cannot be derived from other information, like in the case of an associative entity type. All .csv files contain at least the columns of their entity.

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[5] https://www.dnb.nl/statistiek/digitaal-loket-rapportages/algemeen/index.jsp
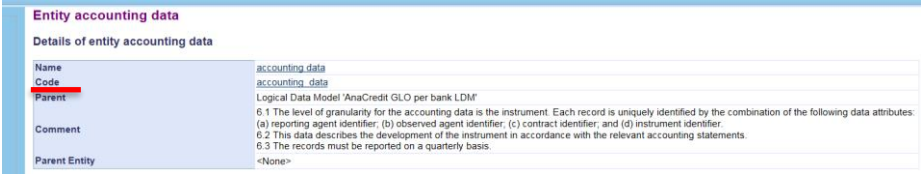
[6] These are the finalized data delivery codes. ZGRACRMANAXXXX is for monthly deliveries..

[7] https://www.dnb.nl/en/login/dlr/statistical-reporting/banks/anacredit/

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2.4.1 <entity>.csv file description (metadata)

The table below describes the metadata aspects of each .csv file.

Metadata	
Description:	See logical data model. Each entity in the logical data model represents a file (.csv). As a rule, entities without characteristics – attributes or relationships – are not requested.
File name:	The entity code in the logical data model is used as the file name. In this code, spaces are replaced by underscores (_) **Entity accounting data** Details of entity accounting data Name — accounting data Code — accounting_data Parent — Logical Data Model 'AnaCredit GLO per bank LDM' Comment — 6.1 The level of granularity for the accounting data is the instrument. Each record is uniquely identified by the combination of the following data attributes: (a) reporting agent identifier; (b) observed agent identifier; (c) contract identifier; and (d) instrument identifier. 6.2 This data describes the development of the instrument in accordance with the relevant accounting statements. 6.3 The records must be reported on a quarterly basis. Parent Entity — <None>
Selection:	Each entity is delivered completely, as a snapshot on the delivery date.
File format:	CSV
Character set:	UTF-8
Field separator	; (semicolon)
Heading:	Yes, this contains the names of the columns, taking into account the field separator and the text field delimiter
End of Line indicator:	CRLF
Text field delimiter:	" (double quotation marks, ASCII code 34) Escape character: \ Example 1: The string: *This is a "test"* then becomes: "This is a "test"" Example 2: The string: *That was an "error"* then becomes: "That was an \"error\""
Text field format:	Free text (unless otherwise specified)
Null values:	;;
Date field delimiter:	No delimiter
Date format:	ISO 8601 format, YYYY-MM-DD
Numeric format:	Numeric fields such as amounts, percentages or chances must not contain dots (.) or commas (,). All of these must be entered in whole numbers, i.e. NNNNNNNNNNNN (no leading or trailing zeros, no decimals, no maximum length). • Amounts in euros must be entered in whole euro cents (1000 euros = 100000 euro cents) • Percentages and chances must be entered in millions (5% = 0.05 = 50000; PD of 0.015 = 15000) Negative numbers are preceded by a minus sign (-) Positive numbers are not preceded by a plus sign (+) The rationale for this is to prevent interpretation issues due to differences in localization settings between sending, re-transmitting and receiving systems.
File integrity check	Some entities and combinations of attributes per entity require a checksum. See Section 2.7.6. Numeric fields must first be summarised and then hashed. It may be difficult to canonicalise strings; this issue is being investigated and will be specified in more detail in a later version of this document. The prescribed hash function is described in 2.3.

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Reporting "Non-applicable"	In part II of the reporting manual for AnaCredit, it is made clear that most attributes can be reported as "Non-applicable". This applies to situations which are inherent to the arrangements made between the creditor and the other involved parties, or they can be because of the inherent structure hidden in the AnaCredit regulation.
	If the logical data model indicates that the value "Non-applicable" can be reported as the value of an attribute, and when the value "Non-applicable" is indeed needed for that attribute, the value to be inserted for that attribute in the corresponding .csv file is "Non-applicable".
	Please note that DNB uses a strict check on both the case and the wording of "Non-applicable". Spelling it wrong leads to a blocking error.
Reporting Unknown values	Please see paragraph 3.3 for dealing with attributes for which the value is not yet available.

2.4.1.1   Determining which entity types to report

The logical data model of AnaCredit contains over one hundred and thirty entity types. All these are relevant for reporting correctly. However, not all entity types have to be reported physically by the reporting agents. Each entity type that is to be reported directly maps 1-to-1 to a .csv definition in this chapter.

The underlying mechanism for selecting an entity type to report is:

1. Select all entity types that have, as part of their primary key, the attribute 'reporting agent identifier'.
2. Of these entity types, select only those that have more attributes than only those that make up the primary key,
3. Add to that the entity types that implement a many-to-many relationship.

This will select the entity types that have to be reported in step 1, and those entity types that will convey extra information in step 2.

The list of csv files to report is generated in this document using the above algorithm.

The next sections each describe a single specific <entity>.csv file

2.4.1.2   Reporting of empty files

When there is nothing to report for a specific .csv file, the file is still reported to us. It must contain the header record, but will otherwise be empty of data.

2.4.2   accounting_data.csv

2.4.3   accounting_data.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"rcgntn_stts";"prfrmng_stts";"dt_prfrmng_stts";"frbrnc_stts";"dt_frbrnc_stts";"cmltv_rcvrs_snc_dflt";"fully_derecognised_instrument_being_serviced_indicator"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	rcgntn_stts	Variable multibyte (255)	255	code
7	prfrmng_stts	Variable multibyte (255)	255	code
8	dt_prfrmng_stts	Date		date with unknown
9	frbrnc_stts	Variable multibyte (255)	255	code
10	dt_frbrnc_stts	Date		date with unknown

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#		Data type		Details
11	cmltv_rcvrs_snc_dflt	Decimal (16,0)	16	euro amount (non-negative) with exclusions
12	fully_derecognised_instrument_being_serviced_indicator	Variable characters (50)	50	fully derecognised instrument being serviced indicator

2.4.4   address.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"street";"city_town_village";"postal_code";"reporting_reference_date";"country";"nuts_3_region"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	street	Variable multibyte (255)	255	medium sized string with unknown
3	city_town_village	Variable multibyte (255)	255	medium sized string with unknown
4	postal_code	Variable multibyte (20)	20	postal code with exclusions
5	reporting_reference_date	Date		reporting reference date
6	country	Characters (2)	2	ISO 3166 Country
7	nuts_3_region	Characters (5)	5	nuts code

2.4.5   collateral_located_in_a_reporting_member_state.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"prtctn_id";"reporting_reference_date";"real_estate_collateral_location_region"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	prtctn_id	Variable characters (60)	60	identifier domain
3	reporting_reference_date	Date		reporting reference date
4	real_estate_collateral_location_region	Characters (5)	5	ISO3166 / NUTS Disjoint

2.4.6   contract.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"dt_incptn";"syndctd_cntrct_indicator"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	dt_incptn	Date		date with unknown
6	syndctd_cntrct_indicator	Variable characters (50)	50	syndicated contract indicator

2.4.7   counterparty.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"counterparty_identifier";"reporting_reference_date";"national_identifier_type_type";"national_identifier_type_country";"national_identifier";"lei";"protection_provider_indicator";"resident_counterparty_indicator";"legal_entity_indicator"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	counterparty_identifier	Variable characters (60)	60	identifier domain
3	reporting_reference_date	Date		reporting reference date
4	national_identifier_type_type	Variable multibyte (255)	255	medium sized string
5	national_identifier_type_country	Characters (2)	2	ISO 3166 Country
6	national_identifier	Variable characters (50)	50	national identifier domain with exclusions

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#		Data type	Length	Details
7	lei	Variable characters (20)	20	string with strictly 20 characters with unknown
8	protection_provider_indicator	Variable characters (50)	50	protection provider indicator
9	resident_counterparty_indicator	Variable characters (50)	50	resident counterparty indicator
10	legal_entity_indicator	Variable characters (50)	50	legal entity indicator

2.4.8 credit_card_debt_instrument.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"off_blnc_sht_amnt"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	off_blnc_sht_amnt	Decimal (16,0)	16	euro amount (non-negative) with unknown

2.4.9 credit_lines_other_than_revolving_credit_instrument.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"off_blnc_sht_amnt"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	off_blnc_sht_amnt	Decimal (16,0)	16	euro amount (non-negative) with unknown

2.4.10 creditor_instrument_data.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"counterparty_identifier";"entty_rl";"cntrct_id";"instrmnt_id";"reporting_reference_date"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	counterparty_identifier	Variable characters (60)	60	identifier domain
4	entty_rl	Variable characters (25)	25	counterparty-instrument role type
5	cntrct_id	Variable characters (60)	60	identifier domain
6	instrmnt_id	Variable characters (60)	60	identifier domain
7	reporting_reference_date	Date		reporting reference date

2.4.11 current_account_instrument_with_credit_limit.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"off_blnc_sht_amnt"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date

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#		Data type		Details
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	off_blnc_sht_amnt	Decimal (16,0)	16	euro amount (non-negative) with unknown

2.4.12 debtor.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"entty_rl";"counterparty_identifier";"reporting_reference_date";"ultimate_parent_undertaking_identifier";"immediate_parent_undertaking_identifier"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	entty_rl	Variable characters (25)	25	counterparty-instrument role type
3	counterparty_identifier	Variable characters (60)	60	identifier domain
4	reporting_reference_date	Date		reporting reference date
5	ultimate_parent_undertaking_identifier	Variable characters (60)	60	identifier domain
6	immediate_parent_undertaking_identifier	Variable characters (60)	60	identifier domain

2.4.13 debtor_default_data.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"counterparty_identifier";"entty_rl";"reporting_reference_date";"crdt_qlty_dflt_stts_ancrdt_cllctn_code";"dt_dflt_stts"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	counterparty_identifier	Variable characters (60)	60	identifier domain
4	entty_rl	Variable characters (25)	25	counterparty-instrument role type
5	reporting_reference_date	Date		reporting reference date
6	crdt_qlty_dflt_stts_ancrdt_cllctn_code	Variable multibyte (255)	255	code
7	dt_dflt_stts	Date		date with exclusions

2.4.14 debtor_risk_data.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"counterparty_identifier";"entty_rl";"reporting_reference_date";"pd"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	counterparty_identifier	Variable characters (60)	60	identifier domain
4	entty_rl	Variable characters (25)	25	counterparty-instrument role type
5	reporting_reference_date	Date		reporting reference date
6	pd	Decimal (7,0)	7	real number from 0 to 1 with 6 decimals with unknown

2.4.15 debtor_instrument_data.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"counterparty_identifier";"entty_rl";"cntrct_id";"instrmnt_id";"reporting_reference_date"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	counterparty_identifier	Variable characters (60)	60	identifier domain

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4	entty_rl	Variable characters (25)	25	counterparty-instrument role type
5	cntrct_id	Variable characters (60)	60	identifier domain
6	instrmnt_id	Variable characters (60)	60	identifier domain
7	reporting_reference_date	Date		reporting reference date

2.4.16 deteriorated_credit_risk_instrument.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"fv_chng_cr_bfr_prchs"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	fv_chng_cr_bfr_prchs	Decimal (16,0)	16	euro amount (non-negative) with unknown

2.4.17 drawn_instrument.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"dt_sttlmnt";"trnsfrrd_amnt"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	dt_sttlmnt	Date		date with unknown
7	trnsfrrd_amnt	Decimal (16,0)	16	euro amount (non-negative) with unknown

2.4.18 entity_type_delivery.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"reporting_reference_date";"logical_data_model_code";"entity_type_code";"checksum";"rowcount"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	reporting_reference_date	Date		reporting reference date
3	logical_data_model_code	Variable multibyte (255)	255	code
4	entity_type_code	Variable multibyte (255)	255	code
5	checksum	Variable multibyte (255)	255	medium sized string
6	rowcount	Integer		

2.4.19 financial_data.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"annlsd_agrd_rt";"dt_nxt_intrst_rt_rst";"dflt_stts";"dt_dflt_stts";"otstndng_nmnl_amnt";"accrd_intrst";"securitized_instrument_indicator";"past_due_instrument_indicator"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain

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3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	annlsd_agrd_rt	Decimal (12,0)	12	real number (positive or negative) with exclusions
7	dt_nxt_intrst_rt_rst	Date		date with exclusions
8	dflt_stts	Variable multibyte (255)	255	code
9	dt_dflt_stts	Date		date with exclusions
10	otstndng_nmnl_amnt	Decimal (16,0)	16	euro amount (non-negative) with unknown
11	accrd_intrst	Decimal (16,0)	16	euro amount (positive and negative) with exclusions
12	securitized_instrument_indicator	Variable characters (50)	50	securitisation indicator
13	past_due_instrument_indicator	Variable characters (50)	50	past due instrument indicator

2.4.20 foreign_branch_debtor.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"counterparty_identifier";"reporting_reference_date";"entty_rl";"head_office_undertaking_identifier"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	counterparty_identifier	Variable characters (60)	60	identifier domain
3	reporting_reference_date	Date		reporting reference date
4	entty_rl	Variable characters (25)	25	counterparty-instrument role type
5	head_office_undertaking_identifier	Variable characters (60)	60	identifier domain

2.4.21 foreign_branch_protection_provider.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"counterparty_identifier";"reporting_reference_date";"head_office_undertaking_identifier"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	counterparty_identifier	Variable characters (60)	60	identifier domain
3	reporting_reference_date	Date		reporting reference date
4	head_office_undertaking_identifier	Variable characters (60)	60	identifier domain

2.4.22 foreign_counterparty.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"counterparty_identifier";"reporting_reference_date";"name";"address_street";"address_city_town_village";"address_postal_code";"address_country";"institutional_sector";"nace_code"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	counterparty_identifier	Variable characters (60)	60	identifier domain
3	reporting_reference_date	Date		reporting reference date
4	name	Variable multibyte (1024)	1024	large sized string with unknown
5	address_street	Variable multibyte (255)	255	medium sized string with unknown
6	address_city_town_village	Variable multibyte (255)	255	medium sized string with unknown
7	address_postal_code	Variable multibyte (20)	20	postal code with exclusions
8	address_country	Characters (2)	2	ISO 3166 Country
9	institutional_sector	Variable multibyte (255)	255	code
10	nace_code	Variable characters (5)	5	nace code

2.4.23 foreign_counterparty_with_other_national_identifier.csv

#	Header	Data type	Details

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| 1 | "reporting_agent_identifier";"counterparty_identifier";"reporting_reference_date";"description_of_other_identifier_type" | Alpha-numeric | Semicolon-separated string of all column names. Field names are put in double quotation marks. |

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	counterparty_identifier	Variable characters (60)	60	identifier domain
3	reporting_reference_date	Date		reporting reference date
4	description_of_other_identifier_type	Variable multibyte (255)	255	medium sized string

2.4.24 foreign_legal_entity.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"counterparty_identifier";"reporting_reference_date";"status_of_legal_proceedings";"date_of_initiation_of_legal_proceedings";"es_code";"legal_form";"foreign_legal_entity_in_reporting_member_state_indicator"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	counterparty_identifier	Variable characters (60)	60	identifier domain
3	reporting_reference_date	Date		reporting reference date
4	status_of_legal_proceedings	Variable multibyte (255)	255	code
5	date_of_initiation_of_legal_proceedings	Date		date with exclusions
6	es_code	Variable multibyte (255)	255	code
7	legal_form	Variable multibyte (255)	255	code
8	foreign_legal_entity_in_reporting_member_state_indicator	Variable characters (75)	75	foreign legal entity in reporting member state indicator

2.4.25 foreign_legal_entity_in_reporting_member_state.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"counterparty_identifier";"reporting_reference_date";"date_of_enterprise_size";"number_of_employees";"balance_sheet_total";"annual_turnover"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	counterparty_identifier	Variable characters (60)	60	identifier domain
3	reporting_reference_date	Date		reporting reference date
4	date_of_enterprise_size	Date		date with unknown
5	number_of_employees	Decimal (12,0)	12	real number (non-negative) with exclusions
6	balance_sheet_total	Decimal (16,0)	16	euro amount (non-negative) with unknown
7	annual_turnover	Decimal (16,0)	16	euro amount (positive and negative) with unknown

2.4.26 immovable_property.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"prtctn_id";"reporting_reference_date";"real_estate_collateral_location_country";"real_estate_collateral_location_postal_code";"immovable_property_location_indicator"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	prtctn_id	Variable characters (60)	60	identifier domain
3	reporting_reference_date	Date		reporting reference date
4	real_estate_collateral_location_country	Characters (2)	2	ISO 3166 Country
5	real_estate_collateral_location_postal_code	Variable multibyte (20)	20	postal code with exclusions

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| 6 | immovable_property_location_indicator | Variable characters (50) | 50 | immovable property location indicator |

2.4.27 impaired_instrument.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"accmltd_imprmnt";"crdt_qlty_imprmnt_stts_ancrdt_cllctn_code"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	accmltd_imprmnt	Decimal (16,0)	16	euro amount (non-negative) with unknown
7	crdt_qlty_imprmnt_stts_ancrdt_cllctn_code	Variable multibyte (255)	255	code

2.4.28 instrument.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"typ_instrmnt";"dt_incptn_instmnt";"typ_amrtstn";"crrncy_dnmntn";"fdcry";"intrst_rt_rst_frqncy";"typ_intrst_rt";"dt_lgl_fnl_mtrty";"cmmtmnt_incptn";"pymnt_frqncy";"prjct_fnnc_ln";"prps";"rcrs";"sbrdntd_dbt";"rpymnt_rghts";"interest_only_indicator";"credit_risk_deterioration_purchase_indicator";"drawn_instrument_indicator"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	typ_instrmnt	Variable multibyte (255)	255	code
7	dt_incptn_instmnt	Date		date with unknown
8	typ_amrtstn	Variable multibyte (255)	255	code
9	crrncy_dnmntn	Characters (3)	3	ISO 4217 Currency
10	fdcry	Variable multibyte (255)	255	code
11	intrst_rt_rst_frqncy	Variable multibyte (255)	255	code
12	typ_intrst_rt	Variable multibyte (255)	255	code
13	dt_lgl_fnl_mtrty	Date		date with exclusions
14	cmmtmnt_incptn	Decimal (16,0)	16	euro amount (non-negative) with exclusions
15	pymnt_frqncy	Variable multibyte (255)	255	code
16	prjct_fnnc_ln	Variable multibyte (255)	255	code
17	prps	Variable multibyte (255)	255	code
18	rcrs	Variable multibyte (255)	255	code
19	sbrdntd_dbt	Variable multibyte (255)	255	code
20	rpymnt_rghts	Variable multibyte (255)	255	code
21	interest_only_indicator	Variable characters (50)	50	interest-only indicator
22	credit_risk_deterioration_purchase_indicator	Variable characters (100)	100	credit risk deterioration purchase indicator
23	drawn_instrument_indicator	Variable characters (25)	25	drawn instrument indicator

2.4.29 instrument_past_due.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"arrrs";"dt_pst_d"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

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#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	arrrs	Decimal (16,0)	16	euro amount (non-negative) with unknown
7	dt_pst_d	Date		date with unknown

2.4.30 instrument_subject_to_securitisation.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"instrmnt_id";"reporting_reference_date";"cntrct_id";"typ_scrtstn"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	instrmnt_id	Variable characters (60)	60	identifier domain
4	reporting_reference_date	Date		reporting reference date
5	cntrct_id	Variable characters (60)	60	identifier domain
6	typ_scrtstn	Variable multibyte (255)	255	code

2.4.31 instrument_protection_received_data.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"cntrct_id";"instrmnt_id";"prtctn_id";"reporting_reference_date";"prtctn_allctd_vl";"thrd_prty_prrty_clms"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	cntrct_id	Variable characters (60)	60	identifier domain
4	instrmnt_id	Variable characters (60)	60	identifier domain
5	prtctn_id	Variable characters (60)	60	identifier domain
6	reporting_reference_date	Date		reporting reference date
7	prtctn_allctd_vl	Decimal (16,0)	16	euro amount (non-negative) with unknown
8	thrd_prty_prrty_clms	Decimal (16,0)	16	euro amount (non-negative) with unknown

2.4.32 interest_only_instrument.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"dt_end_intrst_only"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	dt_end_intrst_only	Date		date with unknown

2.4.33 joint_liability.csv

#	Header	Data type	Details

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#	Header	Data type	Details
1	"reporting_agent_identifier";"counterparty_identifier";"entty_rl";"obsrvd_agnt_cd";"cntrct_id";"instrmnt_id";"reporting_reference_date";"jnt_lblty_amnt"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	counterparty_identifier	Variable characters (60)	60	identifier domain
3	entty_rl	Variable characters (25)	25	counterparty-instrument role type
4	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
5	cntrct_id	Variable characters (60)	60	identifier domain
6	instrmnt_id	Variable characters (60)	60	identifier domain
7	reporting_reference_date	Date		reporting reference date
8	jnt_lblty_amnt	Decimal (16,0)	16	euro amount (non-negative) with unknown

2.4.34 legal_entity.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"counterparty_identifier";"reporting_reference_date";"immediate_parent_undertaking_indicator";"ultimate_parent_undertaking_indicator";"resident_legal_entity_indicator"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	counterparty_identifier	Variable characters (60)	60	identifier domain
3	reporting_reference_date	Date		reporting reference date
4	immediate_parent_undertaking_indicator	Variable characters (50)	50	immediate parent undertaking indicator
5	ultimate_parent_undertaking_indicator	Variable characters (50)	50	ultimate parent undertaking indicator
6	resident_legal_entity_indicator	Variable characters (50)	50	resident legal entity indicator

2.4.35 non_fixed_interest_instrument.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"intrst_rt_sprd";"intrst_rt_cp";"intrst_rt_flr";"rfrnc_rt_ancrdt_cllctn_rfrnc_rt_value";"rfrnc_rt_ancrdt_cllctn_maturity_value"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	intrst_rt_sprd	Decimal (12,0)	12	real number (positive or negative) with unknown
7	intrst_rt_cp	Decimal (12,0)	12	real number (positive or negative) with exclusions
8	intrst_rt_flr	Decimal (12,0)	12	real number (positive or negative) with exclusions
9	rfrnc_rt_ancrdt_cllctn_rfrnc_rt_value	Variable multibyte (255)	255	code
10	rfrnc_rt_ancrdt_cllctn_maturity_value	Variable multibyte (255)	255	code

2.4.36 observed_agent_delivery.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reported_as_counterparty_identifier";"reporting_reference_date"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain

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#				
3	reported_as_counterparty_identifier	Variable characters (60)	60	identifier domain
4	reporting_reference_date	Date		reporting reference date

2.4.37 originator_securitized_instrument_data.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"counterparty_identifier";"entty_rl";"cntrct_id";"instrmnt_id";"reporting_reference_date"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	counterparty_identifier	Variable characters (60)	60	identifier domain
4	entty_rl	Variable characters (25)	25	counterparty-instrument role type
5	cntrct_id	Variable characters (60)	60	identifier domain
6	instrmnt_id	Variable characters (60)	60	identifier domain
7	reporting_reference_date	Date		reporting reference date

2.4.38 other_loans_instrument.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"off_blnc_sht_amnt"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	off_blnc_sht_amnt	Decimal (16,0)	16	euro amount (non-negative) with unknown

2.4.39 overdraft_instrument.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"current_account_type"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	current_account_type	Variable characters (50)	50	current account type

2.4.40 part_of_legal_entity.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"counterparty_identifier";"reporting_reference_date";"foreign_branch_in_reporting_member_state_indicator"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	counterparty_identifier	Variable characters (60)	60	identifier domain
3	reporting_reference_date	Date		reporting reference date
4	foreign_branch_in_reporting_member_state_indicator	Variable characters (50)	50	foreign branch in reporting member state indicator

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2.4.41 protection_provider.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"counterparty_identifier";"reporting_reference_date";"immediate_parent_undertaking_identifier";"ultimate_parent_undertaking_identifier"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	counterparty_identifier	Variable characters (60)	60	identifier domain
3	reporting_reference_date	Date		reporting reference date
4	immediate_parent_undertaking_identifier	Variable characters (60)	60	identifier domain
5	ultimate_parent_undertaking_identifier	Variable characters (60)	60	identifier domain

2.4.42 protection_provider_default_data.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"counterparty_identifier";"reporting_reference_date";"crdt_qlty_dflt_stts_ancrdt_cllctn_code";"dt_dflt_stts"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	counterparty_identifier	Variable characters (60)	60	identifier domain
4	reporting_reference_date	Date		reporting reference date
5	crdt_qlty_dflt_stts_ancrdt_cllctn_code	Variable multibyte (255)	255	code
6	dt_dflt_stts	Date		date with exclusions

2.4.43 protection_provider_risk_data.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"counterparty_identifier";"reporting_reference_date";"pd"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	counterparty_identifier	Variable characters (60)	60	identifier domain
4	reporting_reference_date	Date		reporting reference date
5	pd	Decimal (7,0)	7	real number from 0 to 1 with 6 decimals with unknown

2.4.44 protection_provider_protection_received.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"counterparty_identifier";"prtctn_id";"reporting_reference_date";"primary_protection_provider_indicator"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	counterparty_identifier	Variable characters (60)	60	identifier domain
3	prtctn_id	Variable characters (60)	60	identifier domain
4	reporting_reference_date	Date		reporting reference date
5	primary_protection_provider_indicator	Variable characters (50)	50	primary protection provider indicator

2.4.45 protection_received.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"prtctn_id";"reporting_reference_date";"typ_prtctn";"typ_prtctn_vl";"prtctn_vltn_apprch";"prtctn_vl";"dt_prtctn_vl";"dt_mtrty_prtctn";"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

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	orgnl_prtctn_vl";"dt_orgnl_prtctn_vl";"immovable_property_indicator"			

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	prtctn_id	Variable characters (60)	60	identifier domain
3	reporting_reference_date	Date		reporting reference date
4	typ_prtctn	Variable multibyte (255)	255	code
5	typ_prtctn_vl	Variable multibyte (255)	255	code
6	prtctn_vltn_apprch	Variable multibyte (255)	255	code
7	prtctn_vl	Decimal (16,0)	16	euro amount (non-negative) with unknown
8	dt_prtctn_vl	Date		date with unknown
9	dt_mtrty_prtctn	Date		date with exclusions
10	orgnl_prtctn_vl	Decimal (16,0)	16	euro amount (non-negative) with unknown
11	dt_orgnl_prtctn_vl	Date		date with unknown
12	immovable_property_indicator	Variable characters (50)	50	immovable property indicator

2.4.46 recognised_instrument.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"accntng_clssfctn_ancrdt_cllctn_code";"accmltd_wrtffs";"imprmnt_assssmnt_mthd_ancrdt_cllctn_code";"src_encmbrnc_ancrdt_cllctn_code";"prvsns_off_blnc_sht";"accmltd_chngs_fv_cr";"prdntl_prtfl_ancrdt_cllctn_code";"crryng_amnt"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	accntng_clssfctn_ancrdt_cllctn_code	Variable multibyte (255)	255	code
7	accmltd_wrtffs	Decimal (16,0)	16	euro amount (non-negative) with unknown
8	imprmnt_assssmnt_mthd_ancrdt_cllctn_code	Variable multibyte (255)	255	code
9	src_encmbrnc_ancrdt_cllctn_code	Variable multibyte (255)	255	code
10	prvsns_off_blnc_sht	Decimal (16,0)	16	euro amount (non-negative) with exclusions
11	accmltd_chngs_fv_cr	Decimal (16,0)	16	euro amount (non-negative) with exclusions
12	prdntl_prtfl_ancrdt_cllctn_code	Variable multibyte (255)	255	code
13	crryng_amnt	Decimal (16,0)	16	euro amount (positive and negative) with unknown

2.4.47 reporting_agent_delivery.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"reporting_reference_date";"reported_as_counterparty_identifier";"acct_code2"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	reporting_reference_date	Date		reporting reference date
3	reported_as_counterparty_identifier	Variable characters (60)	60	identifier domain
4	acct_code2	Variable multibyte (255)	255	code

2.4.48 revolving_credit_other_than_overdrafts_and_credit_card_debt_instrument.csv

#	Header	Data type	Details

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| 1 | "reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"instrmnt_id";"off_blnc_sht_amnt" | Alpha-numeric | Semicolon-separated string of all column names. Field names are put in double quotation marks. |

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	instrmnt_id	Variable characters (60)	60	identifier domain
6	off_blnc_sht_amnt	Decimal (16,0)	16	euro amount (non-negative) with unknown

2.4.49 servicer_instrument_data.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"counterparty_identifier";"entty_rl";"cntrct_id";"instrmnt_id";"reporting_reference_date"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	counterparty_identifier	Variable characters (60)	60	identifier domain
4	entty_rl	Variable characters (25)	25	counterparty-instrument role type
5	cntrct_id	Variable characters (60)	60	identifier domain
6	instrmnt_id	Variable characters (60)	60	identifier domain
7	reporting_reference_date	Date		reporting reference date

2.4.50 syndicated_contract_member.csv

#	Header	Data type	Details
1	"reporting_agent_identifier";"obsrvd_agnt_cd";"reporting_reference_date";"cntrct_id";"syndicated_contract_identifier"	Alpha-numeric	Semicolon-separated string of all column names. Field names are put in double quotation marks.

#	Column name (attribute)	Data type	Length	Details
1	reporting_agent_identifier	Variable characters (50)	50	riad counterparty domain
2	obsrvd_agnt_cd	Variable characters (50)	50	riad counterparty domain
3	reporting_reference_date	Date		reporting reference date
4	cntrct_id	Variable characters (60)	60	identifier domain
5	syndicated_contract_identifier	Variable characters (60)	60	identifier domain with unknown

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2.5 Validation strategy

The validation strategy of the data delivery is closely related to the overall data quality strategy as described in paragraph 1.5.

Validations on the data delivery set are performed asynchronously and (limited) with data outside the data delivery set (e.g. validation on reference data). The bulk of all blocking validations are modelled in the logical data model. Blocking validations (that affect the status of the data delivery obligation) on top of that are explicitly stated in Appendix A. Appendix B states the signalling validation rules that will not affect the data delivery obligation status, but can however lead to a call for resubmission.

To summarize the validation strategy of the data delivery:

- Blocking validations result in non-acceptance of the data delivery obligation
- Signalling validations result in acceptance of the data delivery obligation[8]

There are three categories of validations that will lead to an evaluation of the data delivery (obligation) in the event of errors. In the table below, the severity and type of feedback is described.

Type	Description	Source	Action	Feedback
I. Logius checks	Paragraph 1.3.1	Delivery of data to DNB using Logius Digipoort	Blocking	Delivery notification Logius (XML, MIME)
II. DNB technical, structure & administrative checks	Paragraph 1.4.9	Delivery of data to DNB using Logius Digipoort	Blocking	Logius database (400, 410) & DNB Digital Reporting Portal
III (a) Logical - Domain	Do the attributes comply with the size, type and domain constraints?	logical data model + Appendix A	Blocking	DNB Digital Reporting Portal (XML)
III (b) Logical - Tuple	Do the value of attributes comply with constraints?	Appendix A	Blocking or Signalling	DNB Digital Reporting Portal (XML)
III (c) Logical – Entity	Do the entities comply with the uniqueness (or key) constraints?	logical data model	Blocking	DNB Digital Reporting Portal (XML)
III (d) Logical - Model	Generally speaking, model constraints need other entities to evaluate the rule. e.g. referential integrity requirements of the logical data model (model constraints), subtype constraints and specialisation model constraints[9])?	logical data model + Appendix A	Blocking Or Signalling	DNB Digital Reporting Portal (XML)

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[8] As stated in paragraph 1.5 a fulfilment of the delivery obligation (status=accepted) might still result in a request for resubmission.

[9] Although highly related to each other, there is a subtle difference between a subtype constraint and a specialisation model constraint. The first evaluates the correct referential value, the second evaluates the correct attributes per subtype.

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2.5.1   Validation processing & feedback

Technical validations will be processed sequentially, when a violation is encountered, processing will stop and downstream technical validations will not be evaluated.

Logical validations will be processed on the complete AnaCredit data-exchange.

Feedback on technical validations will be straightforward (e.g. XML header violation, no open obligation available, etc...). Feedback on logical validations will be published in the DNB Digital Reporting Portal as an XML file containing all violations. If however, these violations result in huge amounts of data of the same type of error, there will be some compression.

2.6   Completeness of delivery

All deliveries are a full snapshot of the source, deltas are not requested. The following should be noted with respect to monthly and quarterly deliveries, as noted in the AnaCredit regulation.

- Reporting agents must submit the quarterly data for the most recent quarter together with <u>each</u> monthly delivery, i.e. not only with end-of-quarter deliveries. Quarter-specific data must be centralised in the "accounting_data" entity, while other data (reference data, default and risk data and "financial_data") must be updated on a monthly basis.

As noted in paragraph 1.4, only qualifying instruments are to be reported for the quarterly data.

Example of the 2019 submission schedule for monthly reporting agents:

Reporting reference date	Reference data, financial data, counterparty, default data[10]	Accounting data & risk data[11]
31/12/2018	Balance as at 31/12/2018	Balance as at 31/12/2018 (Q4 2018)
31/01/2019	Balance as at 31/01/2019	Balance as at 31/12/2018 (Q4 2018)
28/02/2019	Balance as at 28/02/2019	Balance as at 31/12/2018 (Q4 2018)
31/03/2019	Balance as at 31/03/2019	Balance as at 31/03/2019 (Q1 2019)
30/04/2019	Balance as at 30/04/2019	Balance as at 31/03/2019 (Q1 2019)
…	…	..

Comparing accounting data attributes to other data attributes, where the accounting data attribute values are from the most recent quarter end and the other data attributes are from a non-quarter end reporting reference date, can lead to inconsistencies. These inconsistencies in themselves will not lead to a blocking validation and hence not to a non-acceptance of the data delivery.

Example: The accounting data is from Q4, and the other data is from January. There can exist an inconsistency between the data for one single instrument. This could happen when, for instance, the instrument is securitised in January. In this case, the balance sheet status in the accounting data can become inconsistent with the instrument data and financial data from January, where the instrument is securitised. Ergo, cross checks between those data sets will have to be looked at very diligently.

Another type of inconsistency can occur when the instrument is available in the accounting data at the end of Q4 and the instrument itself is not qualifying for reporting in February Q1. This would lead to an accounting data record being present, without a corresponding instrument record, which is a referential integrity invalidation. This will lead to a blocking validation and hence will lead to a non-acceptance of the data delivery. To counter this, only those instruments are requested in the accounting data that are qualifying instruments. This ensures that they are present both in the instrument entity type and in the accounting entity type.

The reporting of accounting data for qualifying instruments only, will also tackle the situation where an instrument is created and ended within the same reporting period. The corresponding

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[10] Debtor default data, protection provider default data

[11] Debtor risk data and protection provider risk data

accounting data will be reported at reporting period end, together with the instrument data. In following months, the instrument will not be reported in the accounting data, nor in the instrument.

2.7   Submission process

The submission process is set out in the next few sections.

2.7.1   AnaCredit reporting obligations, Digital Reporting Portal (DLR)

DNB publishes all agreements and reporting obligations for banks in its Digital Reporting Portal.

2.7.2   Logius Digipoort connection criteria

The AnaCredit data submission is to be effected through Logius' Digipoort platform, which provides a secure data delivery service between businesses and public bodies. The ultimate objective of Digipoort is to reduce the administrative burdens for businesses and public bodies using smart, digital solutions for operational processes.

2.7.3   AnaCredit data delivery feedback

Following an AnaCredit data-exchange by the bank, there are a number of feedback moments.

1. Logius, the transporter's service provider, sends a notice of receipt (XML in MIME). This means the transporter has received the data delivery and the majority of validations done by Logius are ok or not ok. If there is a faulty XML header, Logius will have to contact the bank. The transporter (i.e. Logius) provides a track and trace functionality (messageID) to enable data tracking. Passing Logius validation will result in Logius pushing the AnaCredit data exchange to DNB.
2. DNB sends a delivery confirmation notification to Logius (XML in MIME) notifying the transporter that the data-exchange has been received and whether or not it passed DNB's technical validations. Logius will translate this message to a status 400 (technical validation OK) or a status 410 (technical validation ERROR). All validation feedback (status and files) by DNB will also be made available and viewable in the DNB Digital Reporting Portal.
3. The AnaCredit data-exchange from banks, through Logius, received by DNB and the technical validations by DNB can be tracked in the Logius track & trace database which is accessible via an API by using the messageID provided in the initial Logius delivery conformation.
4. After the DNB technical validations have been executed, the logical validations will commence. Feedback on these validations is not communicated through Logius, but will be made available in the DNB Digital Reporting Portal.
5. Notifications of validation results by DNB can be send to the responsible person within the bank if he/she has been properly registered in the DNB Digital Reporting Portal.

2.7.4   Process and statuses

It's important to distinguish between (1) the reception, validation, feedback and delivery of the AnaCredit data exchange by Logius and (2) the subsequent process of reception, validation and feedback of the AnaCredit data exchange by DNB.

Ad 1) reception, validation, feedback and delivery by Logius

- Bank sends AnaCredit data
- Logius validates and send delivery conformation, (XML, MIME) – including message ID
- Logius pushes AnaCredit data to DNB

Ad 2) reception, validation and feedback by DNB

When Logius sent DNB a delivery notification of the data exchange, communications relating to the status of a delivery can at all times be consulted in the DNB Digital Reporting Portal. There are two types of statuses:

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1. The status of the obligation: "you must deliver the AnaCredit data for data delivery set <date>".
2. The delivery status: "you have submitted a delivery under a reporting obligation". This means that a single reporting obligation can have multiple deliveries in case of validation errors.

When a bank submits an AnaCredit data exchange to Logius, passed the Logius validations and passed the DNB technical validations, the delivery status in the DNB Digital Reporting Portal is set to **Received**. The obligation status remains **Open**. The bank cannot make a new submission under the same obligation as long as the validation process is ongoing (status=**Received**)[12].

When the AnaCredit data exchange passed the DNB technical validations a delivery notification is send back to Logius. Logius will process this notification into either a status 400 or a status 410. A status 410 in Logius (technical status=ERROR) will also result in a delivery status **Not Accepted.** The DNB Digital Reporting Portal will show the reason for this error. The bank can now correct the error and resubmit under the same reporting obligation.

If the DNB technical validation passed successfully, the Logius database will show a status 400 and the delivery status will remain to be **Received**. Now the logical validations are being processed.

All the logical validations (blocking and signalling) will be executed. If there is a violation of a blocking rule, the delivery status will be set to **Not Accepted**. The status of the obligation will remain to be **Open**. Banks can view the validation results in the DNB Digital Reporting Portal, correct the error and resubmit the data.

If all the blocking rules are passed, the delivery status is set to **Accepted** and the obligation status is set to **Completed**. The bank has successfully met the AnaCredit obligation.

Violation of signalling rules will not result in a **Not Accepted** delivery[13]. They might result in a new obligation for a resubmission.

2.7.5   Other signalling rules[14] and plausibility rules

Blocking validations and signalling validations of data within the data delivery set are checked and dealt with automatically when the delivery arrives (see 2.5). Contrary to signalling rules that require data outside the data delivery set and plausibility rules that need a non-automated interpretation. These rules do not influence the reporting obligation or delivery status, they are separately reported and could lead to either enquiries with the bank or a new obligation to resubmit data.

A special type of signalling rule is the plausibility rule which is less automated; such a rule is often based on detailed analyses and combining data with alternative data sources, etc. Moreover, the outcomes cannot be established in advance. They may provide a plausible explanation, which may or may not have been put forward by the reporting agent.

The outcomes of this type of rules are published in the Digital Reporting Portal.

A list of these other signalling rules is given in Appendix B.

2.7.6   Validation of completeness

The metadata checksum file is part of the files to be submitted. For each entity type, the required type of checksum is listed. For now, only, a logical row count is requested for each entity type that is logically part of the reporting requirement. The entity types that are part of the reference data do not require a rowcount. All entity types whose rowcount is to be reported is marked with a rowcount reporting indicator value set to "entity type with reported rowcount". This rowcount

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[12] Sending in a new AnaCredit data exchange for the same obligation (reporting ID, reporting reference date, data delivery code) while the status of the previous delivery is **Received**, will result in a validation error of the newly submitted data exchange.

[13] In time, these signalling rules are meant to be changed to 'blocking'.

[14] These are signalling rules that require data outside the scope of the data delivery set.

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indicates the number of instances of an entity type that is appropriate to this entity type in accordance with the logical data model.

Please note that this concerns the entity types in the logical data model where the attribute 'reporting reference date' is part of the primary key, and not only those entity types in the physical data deliveries. The logical data model also requires a row count and checksum for those entity types that do not have a corresponding .csv file to be delivered.

2.7.6.1 Example of a check on a physical delivery

E.g. the reporting agent must report on exactly 100,000 instruments. The instrument.csv file contains 100,000 rows, excluding the header. The row count for the logical entity is 100,000. The entity type delivery lists a row count of 100,000 for the "instrument" entity type.

DNB checks that 100000 = 100000 and accepts the delivery.

2.7.6.2 Example of a check on a logical delivery

The entity type "non-interest-only instrument" does not have its own specific features or relations, and therefore does not require physical delivery. However, the logical checksum of all non-interest-only instruments must be delivered.

For example, the reporting agent must report on exactly 100,000 instruments, 10,000 of which are interest-only and 90,000 are non-interest-only instruments (100,000-10,000).

Two files must be reported:

1. Instrument.csv with 100,000 records
2. Interest-only_instrument.csv with 10,000 records

Three records must be reported in the entity type delivery:

Entity type	Rowcount
Instrument	100,000
Interest-only instrument	10,000
Non-interest-only instrument	90,000

DNB checks that instrument.csv contains 100,000 rows, that interest_only_instrument.csv contains 10,000 rows, and that 90,000 rows in instrument.csv logically consist of non-interest-only instruments. Please keep in mind that these row counts are excluding the mandatory header of the file.

2.7.6.3 Check on primary key

The LDM has entity types that allow DNB to ask for checks on combinations of attributes. This mechanism is primarily meant to check the integrity of primary keys of the entity types in the logical data model.

Currently, no checks of these types are foreseen, since DNB will rely instead on the hashing of the csv files themselves, in combination of the checks on the referential integrity as specified in the logical data model.

2.7.6.4 Check on sums

The LDM has entity types that allow DNB to ask for checking totals, like the sum of all commitment amounts at inception. This is to be reported in the entity type attribute delivery.

Currently, no checks of these types is foreseen, since DNB anticipates that the hashing of primary keys and the row counts and hashing of entity types will give sufficient confidence in the integrity of the transmitted data.

2.7.7   Resubmission

In some cases, even after extensive analysis by DNB or the European Central Bank, the submitted AnaCredit data set may turn out to be incorrect[15] (see also 2.7.5). If the cause is a signalling or plausibility rule (appendix B), the agent in question is contacted to provide an explanation. If, based on this explanation, the data submitted is found to be incorrect, DNB can demand a resubmission. A new reporting obligation for the period in question will then be created in the Digital Reporting Portal.

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[15] Whereas data validations mainly concern the delivery, the scope of consistency and plausibility rules stretches beyond single deliveries. The **Completed** status means that the delivery complies with validation rules. Non-compliance with consistency or plausibility rules may lead to a resubmission being required.

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3   DATA DELIVERY SPECIFICATIONS

After the data from the files have been processed in the file interface, they are validated against the normalised logical data model of the interface and then loaded into it. The interface is described below.

## 3.1   Scope of the delivery

The AnaCredit Regulation describes which instruments and counterparties must be reported on, as well as the data that must be reported. The reporting population is also listed, including the foreign branches that must be reported on. The AnaCredit Reporting Manual addresses this in more detail. See Section 1.2 for the Manual and the Regulation.

It is explicitly so that counterparty information that is related to natural persons is not to be reported. This means that:

   a)   Counterparties that are natural persons are out of scope.
   b)   Counterparties that are non-natural persons, but whose legal form indicates that they are directly tied to a natural persons, the Dutch "personenvennootschappen", are not in scope. The list of legal forms on the website of the ECB will be updated to indicate the applicable legal forms.
   c)   All other counterparties are to be reported as indicated in the logical data model.

When a counterparty is not in scope, it can still be part of a joint or several liability of an eligible instrument, or it can act as a guarantor for an eligible instrument. When that is the case, these counterparties are to be reported as "Non-applicable" as described in 3.3.1.

3.2   Logical data model
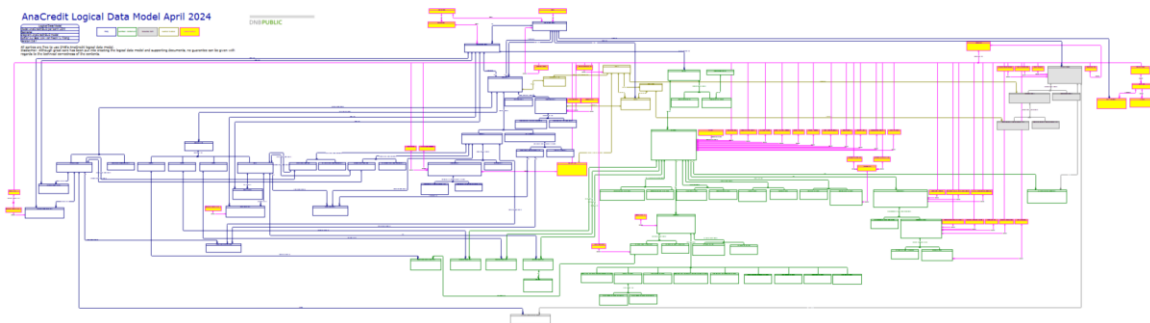
The link below refers to the AnaCredit web page within the Digital Reporting Portal on the DNB website, where a zip file can be downloaded containing a description of the logical data model in HTML format. The logical data model describes all entity types, their structure and interrelations.

Link: https://www.dnb.nl/en/login/dlr/statistical-reporting/banks/anacredit/

3.3   Dealing with "Non-applicable" attribute values in the logical data model

There are three different ways in which the reporting of "Non-applicable" is dealt with in the logical data model.

The first type covers those situations where the applicability of an attribute is inherent in the arrangement between the observed agent and its involved parties. These "Non-applicable" values have in the LDM a domain name denoting the possibility of a "Non-applicable" value. This name ends with "with non-applicable", when only "Non-applicable" is allowed as a null-explanatory value, or "with exclusions", when both "Non-applicable" and "Unknown" are allowed as null-explanatory values.

In the second type of situations, there are subtypes within the LDM that take care of the "Non-applicable" situations. For example, the attribute 'end date of interest-only period' can only be reported on 'interest-only instrument'.

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And the third type of situations occurs when introducing subtyping would create more complexity than it would solve. For these situations, a business rule is introduced to indicate under which conditions the value "Non-applicable" is allowed.

3.3.1 Reporting "Non-applicable" for Natural Persons

Within AnaCredit, no counterparty information about natural persons is reported. However, there are situations in which the reporting of assets of a natural person might occur. Specifically:

1. The protection received for an instrument that qualifies for reporting is provided by a natural person
2. An instrument has multiple debtors where one or more, but not all, are natural persons.

In these two situations, there is the need to report information "Non-applicable" for the natural person with regard to the counterparty reference data. Within the logical data model, this is solved by requiring the creation of a dummy counterparty, since the counterparty identifier is part of the key of the entity type 'debtor data-instrument. This dummy counterparty allows us to rely on the strict data quality validations that the LDM specifies, but still reporting "Non-applicable" for the natural person.

The following records need to be reported for the dummy natural person:

counterparty.csv

Column	Value
reporting_agent_identifier	*The applicable value for the reporting agent*
counterparty_identifier	"Non-applicable"
reporting_reference_date	*The applicable value for the reporting reference date*
national_identifier_type_type	""
national_identifier_type_country	""
national_identifier	""
lei	""
protection_provider_indicator	""
resident_counterparty_indicator	""
legal_entity_indicator	""

To be able to report a protection of a natural person, the record in the entity type 'protection provider-protection received' will point to a protection provider with the counterparty identifier "Non-applicable".

An instrument where one of the debtors is a natural person will point to a record in the entity type 'debtor' with the counterparty identifier "Non-applicable". Both situations mean that those dummy counterparty "roles" – debtor and protection provider – must be reported. These will not have any immediate, nor ultimate parent undertakings. The default data and risk data entity types will also not be reported for the dummy counterparty.

3.4 Dealing with unknown attribute values in the logical data model

In collecting the data to be reported, there will invariably be situations where an attribute value requested by DNB cannot be delivered at that point in time. DNB expects banks to take measures to resolve this as soon as possible. To fulfil the reporting obligation, where the actual value is not yet available, DNB expects banks to report that the value is as yet unknown.

As of version 2.1, the logical data model includes two distinct ways surrogate values are to be reported. These two are similar to the reporting of "Non-applicable" as described in the previous paragraph.

The first is indicated in the domain of the attribute. If "Unknown" is acceptable, then this domain is extended with the possibility to report the value "Unknown". The domain can be recognised because it ends in "with unknown", when only "Unknown" is allowed as a surrogate value, or "with exclusions", when both "Non-applicable" and "Unknown" are allowed.

The second manner of reporting unknown values is to choose the value depicting "Unknown" from the relevant reference list. DNB has added a bespoke unknown value to many of the

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reference lists, which you must use if you do not yet know correct value. This option applies to attributes where the value is based on a reference list.

3.4.1   Impact on attributes

Banks can report "Unknown" for almost all dates and amounts, and even for text values like name and street, but not for identifiers. Exception on the identifiers are those identifiers that are reported as values, not as primary key (legal entity identifier, national identifier, syndicated contract identifier). Here the value "Unknown" is explicitly allowed.

3.4.2   Impact on reference lists

All reference lists that do not discriminate into subtypes now have an extra value that indicates that the actual value is yet unknown. When the reference list does determine subtyping, like type of instrument, there is no unknown value. The subtyping structure in the logical data model breaks when an incorrect value is reported.

3.4.3   Impact on primary keys

There are two entity types within the logical data model where it is allowed to have the value "Unknown" in the primary key. The first is syndicated leader contract where the syndicated contract identifier is primary key. This is reported as a foreign key in the entity type syndicated contract member. Reporting "Unknown" here will *not* lead to a referential integrity error.

The second entity type is address where you can report "Unknown" for street, city / town / village, postal code. These attributes are part of the primary key, so there can be only one record with an unknown street, unknown city / town / village and unknown postal code. Please be aware of this.

3.4.4   Impact on business rules

With regards to signalling business rules, reporting "Unknown" in the attribute will trigger the business rule to fail. As an example, when a rule checks that the settlement date is not before the inception date, reporting "Unknown" for either date will make this rule fail. A blocking business rule with this type of check will not fail, because doing so would negate the usefulness of reporting "Unknown" as a surrogate value.

3.5   Mapping the delivery to the logical data model

This section describes the fields and tables that are shown for the attributes and entities in the file interface, i.e. which fields from which tables are visible for which entities and attributes.

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
accounting_data.csv	reporting_agent_identifier	accounting data	reporting agent identifier
accounting_data.csv	obsrvd_agnt_cd	accounting data	observed agent identifier
accounting_data.csv	reporting_reference_date	accounting data	reporting reference date
accounting_data.csv	cntrct_id	accounting data	contract identifier
accounting_data.csv	instrmnt_id	accounting data	instrument identifier
accounting_data.csv	rcgntn_stts	accounting data	balance sheet recognition
accounting_data.csv	prfrmng_stts	accounting data	performing status of the instrument
accounting_data.csv	dt_prfrmng_stts	accounting data	date of the performing status of the instrument
accounting_data.csv	frbrnc_stts	accounting data	status of forbearance and renegotiation
accounting_data.csv	dt_frbrnc_stts	accounting data	date of the forbearance and renegotiation status
accounting_data.csv	cmltv_rcvrs_snc_dflt	accounting data	cumulative recoveries since default
accounting_data.csv	fully_derecognised_instrument_being_serviced_indicator	accounting data	fully derecognised instrument being serviced indicator

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
address.csv	reporting_agent_identifier	address	reporting agent identifier
address.csv	street	address	street
address.csv	city_town_village	address	city / town / village

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address.csv	postal_code	address	postal code
address.csv	reporting_reference_date	address	reporting reference date
address.csv	country	address	country
address.csv	nuts_3_region	address	NUTS 3 region

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
collateral_located_in_a_reporting_member_state.csv	reporting_agent_identifier	collateral located in a reporting member state	reporting agent identifier
collateral_located_in_a_reporting_member_state.csv	prtctn_id	collateral located in a reporting member state	protection identifier
collateral_located_in_a_reporting_member_state.csv	reporting_reference_date	collateral located in a reporting member state	reporting reference date
collateral_located_in_a_reporting_member_state.csv	real_estate_collateral_location_region	collateral located in a reporting member state	real estate collateral location region

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
contract.csv	reporting_agent_identifier	contract	reporting agent identifier
contract.csv	obsrvd_agnt_cd	contract	observed agent identifier
contract.csv	reporting_reference_date	contract	reporting reference date
contract.csv	cntrct_id	contract	contract identifier
contract.csv	dt_incptn	contract	inception date
contract.csv	syndctd_cntrct_indicator	contract	syndicated contract indicator

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
counterparty.csv	reporting_agent_identifier	counterparty	reporting agent identifier
counterparty.csv	counterparty_identifier	counterparty	counterparty identifier
counterparty.csv	reporting_reference_date	counterparty	reporting reference date
counterparty.csv	national_identifier_type_type	counterparty	national identifier type_type
counterparty.csv	national_identifier_type_country	counterparty	national identifier type_country
counterparty.csv	national_identifier	counterparty	national identifier
counterparty.csv	lei	counterparty	legal entity identifier
counterparty.csv	protection_provider_indicator	counterparty	protection provider indicator
counterparty.csv	resident_counterparty_indicator	counterparty	resident counterparty indicator
counterparty.csv	legal_entity_indicator	counterparty	legal entity indicator

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
credit_card_debt_instrument.csv	reporting_agent_identifier	credit card debt instrument	reporting agent identifier
credit_card_debt_instrument.csv	obsrvd_agnt_cd	credit card debt instrument	observed agent identifier
credit_card_debt_instrument.csv	reporting_reference_date	credit card debt instrument	reporting reference date
credit_card_debt_instrument.csv	cntrct_id	credit card debt instrument	contract identifier
credit_card_debt_instrument.csv	instrmnt_id	credit card debt instrument	instrument identifier
credit_card_debt_instrument.csv	off_blnc_sht_amnt	credit card debt instrument	off-balance sheet amount

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
credit_lines_other_than_revolving_credit_instrument.csv	reporting_agent_identifier	credit lines other than revolving credit instrument	reporting agent identifier
credit_lines_other_than_revolving_credit_instrument.csv	obsrvd_agnt_cd	credit lines other than revolving credit instrument	observed agent identifier
credit_lines_other_than_revolving_credit_instrument.csv	reporting_reference_date	credit lines other than revolving credit instrument	reporting reference date
credit_lines_other_than_revolving_credit_instrument.csv	cntrct_id	credit lines other than revolving credit instrument	contract identifier
credit_lines_other_than_revolving_credit_instrument.csv	instrmnt_id	credit lines other than revolving credit instrument	instrument identifier
credit_lines_other_than_revolving_credit_instrument.csv	off_blnc_sht_amnt	credit lines other than revolving credit instrument	off-balance sheet amount

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
creditor_instrument_data.csv	reporting_agent_identifier	creditor-instrument data	reporting agent identifier

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creditor_instrument_data.csv	obsrvd_agnt_cd	creditor-instrument data	observed agent identifier
creditor_instrument_data.csv	counterparty_identifier	creditor-instrument data	counterparty identifier
creditor_instrument_data.csv	entty_rl	creditor-instrument data	counterparty role
creditor_instrument_data.csv	cntrct_id	creditor-instrument data	contract identifier
creditor_instrument_data.csv	instrmnt_id	creditor-instrument data	instrument identifier
creditor_instrument_data.csv	reporting_reference_date	creditor-instrument data	reporting reference date

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
current_account_instrument_with_credit_limit.csv	reporting_agent_identifier	current account instrument with credit limit	reporting agent identifier
current_account_instrument_with_credit_limit.csv	obsrvd_agnt_cd	current account instrument with credit limit	observed agent identifier
current_account_instrument_with_credit_limit.csv	reporting_reference_date	current account instrument with credit limit	reporting reference date
current_account_instrument_with_credit_limit.csv	cntrct_id	current account instrument with credit limit	contract identifier
current_account_instrument_with_credit_limit.csv	instrmnt_id	current account instrument with credit limit	instrument identifier
current_account_instrument_with_credit_limit.csv	off_blnc_sht_amnt	current account instrument with credit limit	off-balance sheet amount

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
debtor.csv	reporting_agent_identifier	debtor	reporting agent identifier
debtor.csv	entty_rl	debtor	counterparty role
debtor.csv	counterparty_identifier	debtor	counterparty identifier
debtor.csv	reporting_reference_date	debtor	reporting reference date
debtor.csv	ultimate_parent_undertaking_identifier	debtor	ultimate parent undertaking identifier
debtor.csv	immediate_parent_undertaking_identifier	debtor	immediate parent undertaking identifier

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
debtor_default_data.csv	reporting_agent_identifier	debtor default data	reporting agent identifier
debtor_default_data.csv	obsrvd_agnt_cd	debtor default data	observed agent identifier
debtor_default_data.csv	counterparty_identifier	debtor default data	counterparty identifier
debtor_default_data.csv	entty_rl	debtor default data	counterparty role
debtor_default_data.csv	reporting_reference_date	debtor default data	reporting reference date
debtor_default_data.csv	crdt_qlty_dflt_stts_ancrdt_cllctn_code	debtor default data	default status of the counterparty
debtor_default_data.csv	dt_dflt_stts	debtor default data	date of the default status of the counterparty

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
debtor_risk_data.csv	reporting_agent_identifier	debtor risk data	reporting agent identifier
debtor_risk_data.csv	obsrvd_agnt_cd	debtor risk data	observed agent identifier
debtor_risk_data.csv	counterparty_identifier	debtor risk data	counterparty identifier
debtor_risk_data.csv	entty_rl	debtor risk data	counterparty role
debtor_risk_data.csv	reporting_reference_date	debtor risk data	reporting reference date
debtor_risk_data.csv	pd	debtor risk data	probability of default

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
debtor_instrument_data.csv	reporting_agent_identifier	debtor-instrument data	reporting agent identifier
debtor_instrument_data.csv	obsrvd_agnt_cd	debtor-instrument data	observed agent identifier
debtor_instrument_data.csv	counterparty_identifier	debtor-instrument data	counterparty identifier
debtor_instrument_data.csv	entty_rl	debtor-instrument data	counterparty role
debtor_instrument_data.csv	cntrct_id	debtor-instrument data	contract identifier
debtor_instrument_data.csv	instrmnt_id	debtor-instrument data	instrument identifier
debtor_instrument_data.csv	reporting_reference_date	debtor-instrument data	reporting reference date

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
deteriorated_credit_risk_instrument.csv	reporting_agent_identifier	deteriorated credit risk instrument	reporting agent identifier

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.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
deteriorated_credit_risk_instrument.csv	obsrvd_agnt_cd	deteriorated credit risk instrument	observed agent identifier
deteriorated_credit_risk_instrument.csv	reporting_reference_date	deteriorated credit risk instrument	reporting reference date
deteriorated_credit_risk_instrument.csv	cntrct_id	deteriorated credit risk instrument	contract identifier
deteriorated_credit_risk_instrument.csv	instrmnt_id	deteriorated credit risk instrument	instrument identifier
deteriorated_credit_risk_instrument.csv	fv_chng_cr_bfr_prchs	deteriorated credit risk instrument	fair value changes due to changes in credit risk before purchase

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
drawn_instrument.csv	reporting_agent_identifier	drawn instrument	reporting agent identifier
drawn_instrument.csv	obsrvd_agnt_cd	drawn instrument	observed agent identifier
drawn_instrument.csv	reporting_reference_date	drawn instrument	reporting reference date
drawn_instrument.csv	cntrct_id	drawn instrument	contract identifier
drawn_instrument.csv	instrmnt_id	drawn instrument	instrument identifier
drawn_instrument.csv	dt_sttlmnt	drawn instrument	settlement date
drawn_instrument.csv	trnsfrrd_amnt	drawn instrument	transferred amount

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
entity_type_delivery.csv	reporting_agent_identifier	entity type delivery	reporting agent identifier
entity_type_delivery.csv	reporting_reference_date	entity type delivery	reporting reference date
entity_type_delivery.csv	logical_data_model_code	entity type delivery	logical data model_code
entity_type_delivery.csv	entity_type_code	entity type delivery	entity type code
entity_type_delivery.csv	checksum	entity type delivery	checksum
entity_type_delivery.csv	rowcount	entity type delivery	rowcount

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
financial_data.csv	reporting_agent_identifier	financial data	reporting agent identifier
financial_data.csv	obsrvd_agnt_cd	financial data	observed agent identifier
financial_data.csv	reporting_reference_date	financial data	reporting reference date
financial_data.csv	cntrct_id	financial data	contract identifier
financial_data.csv	instrmnt_id	financial data	instrument identifier
financial_data.csv	annlsd_agrd_rt	financial data	interest rate
financial_data.csv	dt_nxt_intrst_rt_rst	financial data	next interest rate reset date
financial_data.csv	dflt_stts	financial data	default status of the instrument
financial_data.csv	dt_dflt_stts	financial data	date of the default status of the instrument
financial_data.csv	otstndng_nmnl_amnt	financial data	outstanding nominal amount
financial_data.csv	accrd_intrst	financial data	accrued interest
financial_data.csv	securitized_instrument_indicator	financial data	securitized instrument indicator
financial_data.csv	past_due_instrument_indicator	financial data	past due instrument indicator

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
foreign_branch_debtor.csv	reporting_agent_identifier	foreign branch debtor	reporting agent identifier
foreign_branch_debtor.csv	counterparty_identifier	foreign branch debtor	counterparty identifier
foreign_branch_debtor.csv	reporting_reference_date	foreign branch debtor	reporting reference date
foreign_branch_debtor.csv	entty_rl	foreign branch debtor	counterparty role
foreign_branch_debtor.csv	head_office_undertaking_identifier	foreign branch debtor	head office undertaking identifier

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
foreign_branch_protection_provider.csv	reporting_agent_identifier	foreign branch protection provider	reporting agent identifier
foreign_branch_protection_provider.csv	counterparty_identifier	foreign branch protection provider	counterparty identifier
foreign_branch_protection_provider.csv	reporting_reference_date	foreign branch protection provider	reporting reference date
foreign_branch_protection_provider.csv	head_office_undertaking_identifier	foreign branch protection provider	head office undertaking identifier

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.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
foreign_counterparty.csv	reporting_agent_identifier	foreign counterparty	reporting agent identifier
foreign_counterparty.csv	counterparty_identifier	foreign counterparty	counterparty identifier
foreign_counterparty.csv	reporting_reference_date	foreign counterparty	reporting reference date
foreign_counterparty.csv	name	foreign counterparty	name
foreign_counterparty.csv	address_street	foreign counterparty	address street
foreign_counterparty.csv	address_city_town_village	foreign counterparty	address city / town / village
foreign_counterparty.csv	address_postal_code	foreign counterparty	address postal code
foreign_counterparty.csv	address_country	foreign counterparty	address country
foreign_counterparty.csv	institutional_sector	foreign counterparty	institutional sector
foreign_counterparty.csv	nace_code	foreign counterparty	economic activity

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
foreign_counterparty_with_other_national_identifier.csv	reporting_agent_identifier	foreign counterparty with other national identifier	reporting agent identifier
foreign_counterparty_with_other_national_identifier.csv	counterparty_identifier	foreign counterparty with other national identifier	counterparty identifier
foreign_counterparty_with_other_national_identifier.csv	reporting_reference_date	foreign counterparty with other national identifier	reporting reference date
foreign_counterparty_with_other_national_identifier.csv	description_of_other_identifier_type	foreign counterparty with other national identifier	description of other identifier type

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
foreign_legal_entity.csv	reporting_agent_identifier	foreign legal entity	reporting agent identifier
foreign_legal_entity.csv	counterparty_identifier	foreign legal entity	counterparty identifier
foreign_legal_entity.csv	reporting_reference_date	foreign legal entity	reporting reference date
foreign_legal_entity.csv	status_of_legal_proceedings	foreign legal entity	status of legal proceedings
foreign_legal_entity.csv	date_of_initiation_of_legal_proceedings	foreign legal entity	date of initiation of legal proceedings
foreign_legal_entity.csv	es_code	foreign legal entity	enterprise size
foreign_legal_entity.csv	legal_form	foreign legal entity	legal form
foreign_legal_entity.csv	foreign_legal_entity_in_reporting_member_state_indicator	foreign legal entity	foreign legal entity in reporting member state indicator

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
foreign_legal_entity_in_reporting_member_state.csv	reporting_agent_identifier	foreign legal entity in reporting member state	reporting agent identifier
foreign_legal_entity_in_reporting_member_state.csv	counterparty_identifier	foreign legal entity in reporting member state	counterparty identifier
foreign_legal_entity_in_reporting_member_state.csv	reporting_reference_date	foreign legal entity in reporting member state	reporting reference date
foreign_legal_entity_in_reporting_member_state.csv	date_of_enterprise_size	foreign legal entity in reporting member state	date of enterprise size
foreign_legal_entity_in_reporting_member_state.csv	number_of_employees	foreign legal entity in reporting member state	number of employees
foreign_legal_entity_in_reporting_member_state.csv	balance_sheet_total	foreign legal entity in reporting member state	balance sheet total
foreign_legal_entity_in_reporting_member_state.csv	annual_turnover	foreign legal entity in reporting member state	annual turnover

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
immovable_property.csv	reporting_agent_identifier	immovable property	reporting agent identifier
immovable_property.csv	prtctn_id	immovable property	protection identifier
immovable_property.csv	reporting_reference_date	immovable property	reporting reference date
immovable_property.csv	real_estate_collateral_location_country	immovable property	real estate collateral location country
immovable_property.csv	real_estate_collateral_location_postal_code	immovable property	real estate collateral location postal code
immovable_property.csv	immovable_property_location_indicator	immovable property	immovable property location indicator

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.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
impaired_instrument.csv	reporting_agent_identifier	impaired instrument	reporting agent identifier
impaired_instrument.csv	obsrvd_agnt_cd	impaired instrument	observed agent identifier
impaired_instrument.csv	reporting_reference_date	impaired instrument	reporting reference date
impaired_instrument.csv	cntrct_id	impaired instrument	contract identifier
impaired_instrument.csv	instrmnt_id	impaired instrument	instrument identifier
impaired_instrument.csv	accmltd_imprmnt	impaired instrument	accumulated impairment amount
impaired_instrument.csv	crdt_qlty_imprmnt_stts_ancr dt_cllctn_code	impaired instrument	type of impairment

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
instrument.csv	reporting_agent_identifier	instrument	reporting agent identifier
instrument.csv	obsrvd_agnt_cd	instrument	observed agent identifier
instrument.csv	reporting_reference_date	instrument	reporting reference date
instrument.csv	cntrct_id	instrument	contract identifier
instrument.csv	instrmnt_id	instrument	instrument identifier
instrument.csv	typ_instrmnt	instrument	type of instrument
instrument.csv	dt_incptn_instmnt	instrument	inception date of the instrument
instrument.csv	typ_amrtstn	instrument	amortisation type
instrument.csv	crrncy_dnmntn	instrument	currency
instrument.csv	fdcry	instrument	fiduciary instrument
instrument.csv	intrst_rt_rst_frqncy	instrument	interest rate reset frequency
instrument.csv	typ_intrst_rt	instrument	interest rate type
instrument.csv	dt_lgl_fnl_mtrty	instrument	legal final maturity date
instrument.csv	cmmtmnt_incptn	instrument	commitment amount at inception
instrument.csv	pymnt_frqncy	instrument	payment frequency
instrument.csv	prjct_fnnc_ln	instrument	project finance loan
instrument.csv	prps	instrument	purpose
instrument.csv	rcrs	instrument	recourse
instrument.csv	sbrdntd_dbt	instrument	subordinated debt
instrument.csv	rpymnt_rghts	instrument	repayment rights
instrument.csv	interest_only_indicator	instrument	interest-only indicator
instrument.csv	credit_risk_deterioration_pur chase_indicator	instrument	credit risk deterioration purchase indicator
instrument.csv	drawn_instrument_indicator	instrument	drawn instrument indicator

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
instrument_past_due.csv	reporting_agent_identifier	instrument past due	reporting agent identifier
instrument_past_due.csv	obsrvd_agnt_cd	instrument past due	observed agent identifier
instrument_past_due.csv	reporting_reference_date	instrument past due	reporting reference date
instrument_past_due.csv	cntrct_id	instrument past due	contract identifier
instrument_past_due.csv	instrmnt_id	instrument past due	instrument identifier
instrument_past_due.csv	arrrs	instrument past due	arrears for the instrument
instrument_past_due.csv	dt_pst_d	instrument past due	date of past due for the instrument

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
instrument_subject_to_securitisation.csv	reporting_agent_identifier	instrument subject to securitisation	reporting agent identifier
instrument_subject_to_securitisation.csv	obsrvd_agnt_cd	instrument subject to securitisation	observed agent identifier
instrument_subject_to_securitisation.csv	instrmnt_id	instrument subject to securitisation	instrument identifier
instrument_subject_to_securitisation.csv	reporting_reference_date	instrument subject to securitisation	reporting reference date
instrument_subject_to_securitisation.csv	cntrct_id	instrument subject to securitisation	contract identifier
instrument_subject_to_securitisation.csv	typ_scrtstn	instrument subject to securitisation	type of securitisation

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
instrument_protection_received_data.csv	reporting_agent_identifier	instrument-protection received data	reporting agent identifier

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instrument_protection_received_data.csv	obsrvd_agnt_cd	instrument-protection received data	observed agent identifier
instrument_protection_received_data.csv	cntrct_id	instrument-protection received data	contract identifier
instrument_protection_received_data.csv	instrmnt_id	instrument-protection received data	instrument identifier
instrument_protection_received_data.csv	prtctn_id	instrument-protection received data	protection identifier
instrument_protection_received_data.csv	reporting_reference_date	instrument-protection received data	reporting reference date
instrument_protection_received_data.csv	prtctn_allctd_vl	instrument-protection received data	protection allocated value
instrument_protection_received_data.csv	thrd_prty_prrty_clms	instrument-protection received data	third party priority claims against the protection

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
interest_only_instrument.csv	reporting_agent_identifier	interest-only instrument	reporting agent identifier
interest_only_instrument.csv	obsrvd_agnt_cd	interest-only instrument	observed agent identifier
interest_only_instrument.csv	reporting_reference_date	interest-only instrument	reporting reference date
interest_only_instrument.csv	cntrct_id	interest-only instrument	contract identifier
interest_only_instrument.csv	instrmnt_id	interest-only instrument	instrument identifier
interest_only_instrument.csv	dt_end_intrst_only	interest-only instrument	end date of interest-only period

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
joint_liability.csv	reporting_agent_identifier	joint liability	reporting agent identifier
joint_liability.csv	counterparty_identifier	joint liability	counterparty identifier
joint_liability.csv	entty_rl	joint liability	counterparty role
joint_liability.csv	obsrvd_agnt_cd	joint liability	observed agent identifier
joint_liability.csv	cntrct_id	joint liability	contract identifier
joint_liability.csv	instrmnt_id	joint liability	instrument identifier
joint_liability.csv	reporting_reference_date	joint liability	reporting reference date
joint_liability.csv	jnt_lblty_amnt	joint liability	joint liability amount

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
legal_entity.csv	reporting_agent_identifier	legal entity	reporting agent identifier
legal_entity.csv	counterparty_identifier	legal entity	counterparty identifier
legal_entity.csv	reporting_reference_date	legal entity	reporting reference date
legal_entity.csv	immediate_parent_undertaking_indicator	legal entity	immediate parent undertaking indicator
legal_entity.csv	ultimate_parent_undertaking_indicator	legal entity	ultimate parent undertaking indicator
legal_entity.csv	resident_legal_entity_indicator	legal entity	resident legal entity indicator

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
non_fixed_interest_instrument.csv	reporting_agent_identifier	non-fixed interest instrument	reporting agent identifier
non_fixed_interest_instrument.csv	obsrvd_agnt_cd	non-fixed interest instrument	observed agent identifier
non_fixed_interest_instrument.csv	reporting_reference_date	non-fixed interest instrument	reporting reference date
non_fixed_interest_instrument.csv	cntrct_id	non-fixed interest instrument	contract identifier
non_fixed_interest_instrument.csv	instrmnt_id	non-fixed interest instrument	instrument identifier
non_fixed_interest_instrument.csv	intrst_rt_sprd	non-fixed interest instrument	interest rate spread/margin
non_fixed_interest_instrument.csv	intrst_rt_cp	non-fixed interest instrument	interest rate cap
non_fixed_interest_instrument.csv	intrst_rt_flr	non-fixed interest instrument	interest rate floor
non_fixed_interest_instrument.csv	rfrnc_rt_ancrdt_cllctn_rfrnc_rt_value	non-fixed interest instrument	reference rate_reference rate value
non_fixed_interest_instrument.csv	rfrnc_rt_ancrdt_cllctn_maturity_value	non-fixed interest instrument	reference rate_maturity value

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
observed_agent_delivery.csv	reporting_agent_identifier	observed agent delivery	reporting agent identifier
observed_agent_delivery.csv	obsrvd_agnt_cd	observed agent delivery	observed agent identifier
observed_agent_delivery.csv	reported_as_counterparty_identifier	observed agent delivery	reported as counterparty identifier

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| observed_agent_delivery.csv | reporting_reference_date | observed agent delivery | reporting reference date |

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
originator_securitized_instrument_data.csv	reporting_agent_identifier	originator-securitized instrument data	reporting agent identifier
originator_securitized_instrument_data.csv	obsrvd_agnt_cd	originator-securitized instrument data	observed agent identifier
originator_securitized_instrument_data.csv	counterparty_identifier	originator-securitized instrument data	counterparty identifier
originator_securitized_instrument_data.csv	entty_rl	originator-securitized instrument data	counterparty role
originator_securitized_instrument_data.csv	cntrct_id	originator-securitized instrument data	contract identifier
originator_securitized_instrument_data.csv	instrmnt_id	originator-securitized instrument data	instrument identifier
originator_securitized_instrument_data.csv	reporting_reference_date	originator-securitized instrument data	reporting reference date

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
other_loans_instrument.csv	reporting_agent_identifier	other loans instrument	reporting agent identifier
other_loans_instrument.csv	obsrvd_agnt_cd	other loans instrument	observed agent identifier
other_loans_instrument.csv	reporting_reference_date	other loans instrument	reporting reference date
other_loans_instrument.csv	cntrct_id	other loans instrument	contract identifier
other_loans_instrument.csv	instrmnt_id	other loans instrument	instrument identifier
other_loans_instrument.csv	off_blnc_sht_amnt	other loans instrument	off-balance sheet amount

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
overdraft_instrument.csv	reporting_agent_identifier	overdraft instrument	reporting agent identifier
overdraft_instrument.csv	obsrvd_agnt_cd	overdraft instrument	observed agent identifier
overdraft_instrument.csv	reporting_reference_date	overdraft instrument	reporting reference date
overdraft_instrument.csv	cntrct_id	overdraft instrument	contract identifier
overdraft_instrument.csv	instrmnt_id	overdraft instrument	instrument identifier
overdraft_instrument.csv	current_account_type	overdraft instrument	current account type

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
part_of_legal_entity.csv	reporting_agent_identifier	part of legal entity	reporting agent identifier
part_of_legal_entity.csv	counterparty_identifier	part of legal entity	counterparty identifier
part_of_legal_entity.csv	reporting_reference_date	part of legal entity	reporting reference date
part_of_legal_entity.csv	foreign_branch_in_reporting_member_state_indicator	part of legal entity	foreign branch in reporting member state indicator

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
protection_provider.csv	reporting_agent_identifier	protection provider	reporting agent identifier
protection_provider.csv	counterparty_identifier	protection provider	counterparty identifier
protection_provider.csv	reporting_reference_date	protection provider	reporting reference date
protection_provider.csv	immediate_parent_undertaking_identifier	protection provider	immediate parent undertaking identifier
protection_provider.csv	ultimate_parent_undertaking_identifier	protection provider	ultimate parent undertaking identifier

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
protection_provider_default_data.csv	reporting_agent_identifier	protection provider default data	reporting agent identifier
protection_provider_default_data.csv	obsrvd_agnt_cd	protection provider default data	observed agent identifier
protection_provider_default_data.csv	counterparty_identifier	protection provider default data	counterparty identifier
protection_provider_default_data.csv	reporting_reference_date	protection provider default data	reporting reference date
protection_provider_default_data.csv	crdt_qlty_dflt_stts_ancrdt_cllctn_code	protection provider default data	default status of the counterparty
protection_provider_default_data.csv	dt_dflt_stts	protection provider default data	date of the default status of the counterparty

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.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
protection_provider_risk_data.csv	reporting_agent_identifier	protection provider risk data	reporting agent identifier
protection_provider_risk_data.csv	obsrvd_agnt_cd	protection provider risk data	observed agent identifier
protection_provider_risk_data.csv	counterparty_identifier	protection provider risk data	counterparty identifier
protection_provider_risk_data.csv	reporting_reference_date	protection provider risk data	reporting reference date
protection_provider_risk_data.csv	pd	protection provider risk data	probability of default

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
protection_provider_protection_received.csv	reporting_agent_identifier	protection provider-protection received	reporting agent identifier
protection_provider_protection_received.csv	counterparty_identifier	protection provider-protection received	counterparty identifier
protection_provider_protection_received.csv	prtctn_id	protection provider-protection received	protection identifier
protection_provider_protection_received.csv	reporting_reference_date	protection provider-protection received	reporting reference date
protection_provider_protection_received.csv	primary_protection_provider_indicator	protection provider-protection received	primary protection provider indicator

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
protection_received.csv	reporting_agent_identifier	protection received	reporting agent identifier
protection_received.csv	prtctn_id	protection received	protection identifier
protection_received.csv	reporting_reference_date	protection received	reporting reference date
protection_received.csv	typ_prtctn	protection received	type of protection
protection_received.csv	typ_prtctn_vl	protection received	type of protection value
protection_received.csv	prtctn_vltn_apprch	protection received	protection valuation approach
protection_received.csv	prtctn_vl	protection received	protection value
protection_received.csv	dt_prtctn_vl	protection received	date of protection value
protection_received.csv	dt_mtrty_prtctn	protection received	maturity date of the protection
protection_received.csv	orgnl_prtctn_vl	protection received	original protection value
protection_received.csv	dt_orgnl_prtctn_vl	protection received	date of original protection value
protection_received.csv	immovable_property_indicator	protection received	immovable property indicator*

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
recognised_instrument.csv	reporting_agent_identifier	recognised instrument	reporting agent identifier
recognised_instrument.csv	obsrvd_agnt_cd	recognised instrument	observed agent identifier
recognised_instrument.csv	reporting_reference_date	recognised instrument	reporting reference date
recognised_instrument.csv	cntrct_id	recognised instrument	contract identifier
recognised_instrument.csv	instrmnt_id	recognised instrument	instrument identifier
recognised_instrument.csv	accntng_clssfctn_ancrdt_cllctn_code	recognised instrument	accounting classification of instruments
recognised_instrument.csv	accmltd_wrtffs	recognised instrument	accumulated write-offs
recognised_instrument.csv	imprmnt_assssmnt_mthd_ancrdt_cllctn_code	recognised instrument	impairment assessment method
recognised_instrument.csv	src_encmbrnc_ancrdt_cllctn_code	recognised instrument	sources of encumbrance
recognised_instrument.csv	prvsns_off_blnc_sht	recognised instrument	provisions associated with off-balance sheet exposures
recognised_instrument.csv	accmltd_chngs_fv_cr	recognised instrument	accumulated changes in fair value due to credit risk
recognised_instrument.csv	prdntl_prtfl_ancrdt_cllctn_code	recognised instrument	prudential portfolio
recognised_instrument.csv	crryng_amnt	recognised instrument	carrying amount

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
reporting_agent_delivery.csv	reporting_agent_identifier	reporting agent delivery	reporting agent identifier
reporting_agent_delivery.csv	reporting_reference_date	reporting agent delivery	reporting reference date
reporting_agent_delivery.csv	reported_as_counterparty_identifier	reporting agent delivery	reported as counterparty identifier
reporting_agent_delivery.csv	acct_code2	reporting agent delivery	accounting standard

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.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
revolving_credit_other_than_overdrafts_and_credit_card_debt_instrument.csv	reporting_agent_identifier	revolving credit other than overdrafts and credit card debt instrument	reporting agent identifier
revolving_credit_other_than_overdrafts_and_credit_card_debt_instrument.csv	obsrvd_agnt_cd	revolving credit other than overdrafts and credit card debt instrument	observed agent identifier
revolving_credit_other_than_overdrafts_and_credit_card_debt_instrument.csv	reporting_reference_date	revolving credit other than overdrafts and credit card debt instrument	reporting reference date
revolving_credit_other_than_overdrafts_and_credit_card_debt_instrument.csv	cntrct_id	revolving credit other than overdrafts and credit card debt instrument	contract identifier
revolving_credit_other_than_overdrafts_and_credit_card_debt_instrument.csv	instrmnt_id	revolving credit other than overdrafts and credit card debt instrument	instrument identifier
revolving_credit_other_than_overdrafts_and_credit_card_debt_instrument.csv	off_blnc_sht_amnt	revolving credit other than overdrafts and credit card debt instrument	off-balance sheet amount

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
servicer_instrument_data.csv	reporting_agent_identifier	servicer-instrument data	reporting agent identifier
servicer_instrument_data.csv	obsrvd_agnt_cd	servicer-instrument data	observed agent identifier
servicer_instrument_data.csv	counterparty_identifier	servicer-instrument data	counterparty identifier
servicer_instrument_data.csv	entty_rl	servicer-instrument data	counterparty role
servicer_instrument_data.csv	cntrct_id	servicer-instrument data	contract identifier
servicer_instrument_data.csv	instrmnt_id	servicer-instrument data	instrument identifier
servicer_instrument_data.csv	reporting_reference_date	servicer-instrument data	reporting reference date

.csv filename	.csv column name	Entity type in logical data model	Attribute in logical data model
syndicated_contract_member.csv	reporting_agent_identifier	syndicated contract member	reporting agent identifier
syndicated_contract_member.csv	obsrvd_agnt_cd	syndicated contract member	observed agent identifier
syndicated_contract_member.csv	reporting_reference_date	syndicated contract member	reporting reference date
syndicated_contract_member.csv	cntrct_id	syndicated contract member	contract identifier
syndicated_contract_member.csv	syndicated_contract_identifier	syndicated contract member	syndicated contract identifier

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3.6   Delivery timelines

The following timelines apply for the monthly DDA code:

DDA code	Frequency	Last day of acceptance	Example
DNB_STAT_ANACREDIT_GLO_M	Monthly	last day of the month + 15business days	January 2021, last day = 2021-01-31 last date of acceptance =2021-02-21

Holidays will be taken into account in setting the final acceptance date. The ECB will publish the holiday schedule regarding AnaCredit.

3.7   Adjustments and deliveries with retroactive effect

Reporting agents can only submit or resubmit reports if DNB has published a relevant reporting obligation. It is not possible for institutions to submit or resubmit reports without a relevant reporting obligation. Reporting obligations are published in the Digital Reporting Portal.

DNB may demand a resubmission for a previous period. It will publish a new reporting obligation for this purpose.

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4 REFERENCE TABLES

Below is the list of reference tables that are available from DNB. The codes in these tables can be used for filtering and clustering in data deliveries.

The reference tables can occur in the logical data model. However, no mapping is available for the data between the file delivery and the delivery, as these are made available in other ways.

The reference tables can be found in the following files, which serve as a source for the initial entry of the entity types in the logical data model:

DNB is responsible for management and maintenance of the reference tables.

4.1 Reporting population and reference population

You can find the versions of the reporting and reference populations that must be used on DNB's AnaCredit web page, as well as the required reporting agent and observed agent identifiers.

https://www.dnb.nl/en/login/dlr/statistical-reporting/banks/anacredit/

This spreadsheet contains the following reference data sets:

- List of reporting agents
- Foreign branches (EMU)
- Foreign branches (other EU, excluding GB)

4.2 Reference data sets based on the AnaCredit Regulation

You can find the versions of all reference data sets to be used on DNB's AnaCredit web page:

https://www.dnb.nl/en/login/dlr/statistical-reporting/banks/anacredit/

The spreadsheet contains the following reference data sets:

- accounting classification of instrument
- accounting standard
- amortisation type
- attribute
- attribute combination
- attribute combination type
- balance sheet recognition
- counterparty role
- country
- credit risk deterioration purchase indicator
- currency
- current account type
- default status of the counterparty
- default status of the instruments
- delivery control type
- drawn instrument indicator
- economic activity
- enterprise size
- entity type
- fiduciary instrument
- foreign branch in reporting member state indicator
- foreign legal entity in reporting member state indicator
- fully derecognised instrument being serviced indicator
- immediate parent undertaking indicator
- immovable property indicator
- immovable property location indicator
- impairment assessment method

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- institutional sector
- interest rate reset frequency
- interest rate type
- interest-only indicator
- legal entity indicator
- logical data model
- nuts 3 region
- past due instrument indicator
- payment frequency
- performing status of the instrument indicator
- primary protection provider indicator
- project finance loan indicator
- protection provider indicator
- protection valuation approach
- prudential portfolio
- purpose
- recourse indicator
- reference rate maturity type
- reference rate value type
- repayment rights
- reporting membership type
- resident counterparty indicator
- resident legal entity indicator
- securitisation indicator
- sources of encumbrance
- status of forbearance and renegotiation
- status of legal proceedings
- subordinated debt indicator
- syndicated contract indicator
- type of impairment
- type of instrument
- type of protection
- type of protection value
- type of securitisation
- ultimate parent undertaking indicator

The website of the ECB on AnaCredit contains additional reference data sets:
https://www.ecb.europa.eu/stats/money_credit_banking/anacredit/html/index.en.html

4.3   Metadata reference data sets

The sets containing the logical data model are included in the reference data sets listed in Section 4.2. Below is a more detailed description of the most important of these sets for reporting purposes. They are used to check the delivery. As described in Section 2.4.1, under "File integrity check", a checksum must be delivered for each entity type in the logical data model. The reference data sets describe the reference data required for automatic validation of the file delivery. See Section 2.7.6 for more information on automatic validation.

4.3.1   List of entity types

This list matches the "entity type" list in the reference data set in terms of naming, codes and definitions. It indicates for each entity type whether a checksum is required. As stated in Section 2.7.6, a rowcount is required for all entity types.

4.3.2   List of attributes

This lists the names of all attributes, including the type of checks required.

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5 AGREEMENTS AND CONTACT PERSONS

This section describes all agreements made in detail, so that anyone having to process the data can do so based on the data recorded.

5.1 Filing and storage

DNB complies with the applicable legislation and regulations with respect to filing and storage, and the relevant retention periods.

5.2 Contact data

No.	Position	Name	email and/or telephone no.
1	Manager	Mr Ron Jongen	anacredit@dnb.nl
2	Domain expert	Mr Wim Goes	anacredit@dnb.nl
3	Information analyst	Mr Arjan Bos	anacredit@dnb.nl

5.3 Changes to the agreement

Changes to the Logical Data Model, Data Delivery Agreement and the Reference codes are communicated to all reporting agents. Subsequent versions (following version 1.0) will be accompanied by detailed release notes, stating the precise changes compared to a previous release.

APPENDIX A – VALIDATION RULES THAT DETERMINE THE REPORTING OBLIGATION STATUS

A list of all blocking validation rules for AnaCredit data deliveries is included in Data validation rules in the "AnaCredit Data validation" file that is distributed with this DDA and the LDM files.

You can filter the spreadsheet by severity class "blocking constraints". Those selected validations are on top of the explicitly modelled blocking validation rules that are already included in the logical data model.

The violation of a blocking validation rule will result in a **non-accepted** status of the reporting obligation.

The result of the rules described in this paragraph as well as the blocking rules defined in the logical data model will automatically be communicated back to the reporting agent (see 2.5.1).

These validation rules are taken directly from the business rules that are defined in the logical data model, where they are attached to the artefact that they act upon. Also, within the logical data model, there is a pseudo code expression giving hints on how to check the validity.

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APPENDIX B – SIGNALLING & PLAUSIBILITY RULES THAT MIGHT LEAD TO A NEW OBLIGATION TO RESUBMIT

A list of all signalling validation rules for AnaCredit data deliveries is included in the Data validation rules in the "AnaCredit Data validation rules" file that is distributed with this DDA and the LDM files.

You can filter the spreadsheet by severity class "signalling constraints". The rules listed in this file will not influence the status of the reporting obligation. It can however lead to a new obligation to resubmit the data for a given period.

Two types of signalling rules are identified:

[1]   Signalling rules that have a binary outcome (True/False);
[2]   Plausibility rules that needs human interpretation. These rules should assess the plausibility of the AnaCredit data reported. In general, these rules can consist of outlier detection based on predefined statistical thresholds and can also consist of consistency checks with other datasets, like BSI and MIR statistics. More information on these kind of rules will follow as soon as possible.

These signalling and plausibility rules are taken directly from the business rules that are defined in the logical data model, where they are attached to the artefact that they act upon. Also, within the logical data model, there is a pseudo code expression giving hints on how to check the validity.

APPENDIX C – NAMING CONVENTIONS AND ABBREVIATIONS

#	Title	Description
1	Case	File names, XML tags, entity types and attributes are given in lower case, unless explicitly indicated otherwise.
2	Underscore (_)	Spaces, asterisks "*", brackets "(" and ")" and slashes "/" and "\" in file names, XML tags, entities and attributes must always be replaced by an underscore, "_".
3	AnaCredit	Capital A, Capital C
4	Leading or trailing characters in fields	It's not allowed to fill data fields with any leading or trailing characters (for example spaces)

#	Abbreviation	Meaning
1	CSV	Comma Separated Values
2	DDA	Data delivery agreement
3	DNB	De Nederlandsche Bank
4	ECB	European Central Bank
5	GLO	[Dutch]Gegevensleveringsovereenkomst – synonym DDA
6	LDM	Logical data model
7	LEI	Legal Entity Identifier
8	RIAD	Register of Institutions and Assets Database
9	XML	Extensible Mark-up Language

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APPENDIX D – MAPPING REGULATION ATTRIBUTES TO LDM

Regulation dataset	Regulation attribute	LDM entity type	LDM Attribute
accounting_data	accounting_classification_of_instruments	recognised instrument	accounting classification of instruments
accounting_data	accumulated_changes_in_fair_value_due_to_credit_risk	recognised instrument	accumulated changes in fair value due to credit risk
accounting_data	accumulated_impairment_amount	impaired instrument	accumulated impairment amount
accounting_data	accumulated_write_offs	recognised instrument	accumulated write-offs
accounting_data	balance_sheet_recognition	accounting data	balance sheet recognition
accounting_data	carrying_amount	recognised instrument	carrying amount
accounting_data	contract_identifier	accounting data	contract identifier
accounting_data	contract_identifier	fully derecognised instrument being serviced	contract identifier
accounting_data	contract_identifier	impaired instrument	contract identifier
accounting_data	contract_identifier	instrument not subject to impairment	contract identifier
accounting_data	contract_identifier	recognised instrument	contract identifier
accounting_data	cumulative_recoveries_since_default	accounting data	cumulative recoveries since default
accounting_data	date_of_the_forbearance_and_renegotiation_status	accounting data	date of the forbearance and renegotiation status
accounting_data	date_of_the_performing_status_of_the_instrument	accounting data	date of the performing status of the instrument
accounting_data	impairment_assessment_method	recognised instrument	impairment assessment method
accounting_data	instrument_identifier	accounting data	instrument identifier
accounting_data	instrument_identifier	fully derecognised instrument being serviced	instrument identifier
accounting_data	instrument_identifier	impaired instrument	instrument identifier
accounting_data	instrument_identifier	instrument not subject to impairment	instrument identifier
accounting_data	instrument_identifier	recognised instrument	instrument identifier
accounting_data	observed_agent_identifier	accounting data	observed agent identifier
accounting_data	observed_agent_identifier	fully derecognised instrument being serviced	observed agent identifier
accounting_data	observed_agent_identifier	impaired instrument	observed agent identifier
accounting_data	observed_agent_identifier	instrument not subject to impairment	observed agent identifier
accounting_data	observed_agent_identifier	recognised instrument	observed agent identifier
accounting_data	performing_status_of_the_instrument	accounting data	performing status of the instrument
accounting_data	provisions_associated_with_off_balance_sheet_exposures	recognised instrument	provisions associated with off-balance sheet exposures
accounting_data	prudential_portfolio	recognised instrument	prudential portfolio
accounting_data	reporting_agent_identifier	accounting data	reporting agent identifier

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accounting_data	reporting_agent_identifier	fully derecognised instrument being serviced	reporting agent identifier
accounting_data	reporting_agent_identifier	impaired instrument	reporting agent identifier
accounting_data	reporting_agent_identifier	instrument not subject to impairment	reporting agent identifier
accounting_data	reporting_agent_identifier	recognised instrument	reporting agent identifier
accounting_data	sources_of_encumbrance	recognised instrument	sources of encumbrance
accounting_data	status_of_forbearance_and _renegotiation	accounting data	status of forbearance and renegotiation
accounting_data	type_of_impairment	impaired instrument	type of impairment
counterparty_default_data	counterparty_identifier	debtor default data	counterparty identifier
counterparty_default_data	counterparty_identifier	protection provider default data	counterparty identifier
counterparty_default_data	date_of_the_default_status _of_the_counterparty	debtor default data	date of the default status of the counterparty
counterparty_default_data	date_of_the_default_status _of_the_counterparty	protection provider default data	date of the default status of the counterparty
counterparty_default_data	default_status_of_the_cou nterparty	debtor default data	default status of the counterparty
counterparty_default_data	default_status_of_the_cou nterparty	protection provider default data	default status of the counterparty
counterparty_default_data	observed_agent_identifier	debtor default data	observed agent identifier
counterparty_default_data	observed_agent_identifier	protection provider default data	observed agent identifier
counterparty_default_data	reporting_agent_identifier	debtor default data	reporting agent identifier
counterparty_default_data	reporting_agent_identifier	protection provider default data	reporting agent identifier
counterparty_instrument_dat a	contract_identifier	creditor-instrument data	contract identifier
counterparty_instrument_dat a	contract_identifier	debtor-instrument data	contract identifier
counterparty_instrument_dat a	contract_identifier	originator-securitized instrument data	contract identifier
counterparty_instrument_dat a	contract_identifier	servicer-instrument data	contract identifier
counterparty_instrument_dat a	counterparty_identifier	counterparty role	counterparty identifier
counterparty_instrument_dat a	counterparty_identifier	creditor	counterparty identifier
counterparty_instrument_dat a	counterparty_identifier	creditor-instrument data	counterparty identifier
counterparty_instrument_dat a	counterparty_identifier	debtor	counterparty identifier
counterparty_instrument_dat a	counterparty_identifier	debtor default data	counterparty identifier
counterparty_instrument_dat a	counterparty_identifier	debtor risk data	counterparty identifier
counterparty_instrument_dat a	counterparty_identifier	debtor-instrument data	counterparty identifier
counterparty_instrument_dat a	counterparty_identifier	foreign branch debtor	counterparty identifier
counterparty_instrument_dat a	counterparty_identifier	originator	counterparty identifier

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counterparty_instrument_data	counterparty_identifier	originator-securitized instrument data	counterparty identifier
counterparty_instrument_data	counterparty_identifier	servicer	counterparty identifier
counterparty_instrument_data	counterparty_identifier	servicer-instrument data	counterparty identifier
counterparty_instrument_data	counterparty_role	counterparty role	counterparty role
counterparty_instrument_data	counterparty_role	creditor	counterparty role
counterparty_instrument_data	counterparty_role	creditor-instrument data	counterparty role
counterparty_instrument_data	counterparty_role	debtor	counterparty role
counterparty_instrument_data	counterparty_role	debtor default data	counterparty role
counterparty_instrument_data	counterparty_role	debtor risk data	counterparty role
counterparty_instrument_data	counterparty_role	debtor-instrument data	counterparty role
counterparty_instrument_data	counterparty_role	foreign branch debtor	counterparty role
counterparty_instrument_data	counterparty_role	originator	counterparty role
counterparty_instrument_data	counterparty_role	originator-securitized instrument data	counterparty role
counterparty_instrument_data	counterparty_role	servicer	counterparty role
counterparty_instrument_data	counterparty_role	servicer-instrument data	counterparty role
counterparty_instrument_data	instrument_identifier	creditor-instrument data	instrument identifier
counterparty_instrument_data	instrument_identifier	debtor-instrument data	instrument identifier
counterparty_instrument_data	instrument_identifier	originator-securitized instrument data	instrument identifier
counterparty_instrument_data	instrument_identifier	servicer-instrument data	instrument identifier
counterparty_instrument_data	observed_agent_identifier	creditor-instrument data	observed agent identifier
counterparty_instrument_data	observed_agent_identifier	debtor default data	observed agent identifier
counterparty_instrument_data	observed_agent_identifier	debtor risk data	observed agent identifier
counterparty_instrument_data	observed_agent_identifier	debtor-instrument data	observed agent identifier
counterparty_instrument_data	observed_agent_identifier	originator-securitized instrument data	observed agent identifier
counterparty_instrument_data	observed_agent_identifier	servicer-instrument data	observed agent identifier
counterparty_instrument_data	reporting_agent_identifier	counterparty role	reporting agent identifier
counterparty_instrument_data	reporting_agent_identifier	creditor	reporting agent identifier
counterparty_instrument_data	reporting_agent_identifier	creditor-instrument data	reporting agent identifier
counterparty_instrument_data	reporting_agent_identifier	debtor	reporting agent identifier
counterparty_instrument_data	reporting_agent_identifier	debtor default data	reporting agent identifier

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counterparty_instrument_data	reporting_agent_identifier	debtor risk data	reporting agent identifier
counterparty_instrument_data	reporting_agent_identifier	debtor-instrument data	reporting agent identifier
counterparty_instrument_data	reporting_agent_identifier	foreign branch debtor	reporting agent identifier
counterparty_instrument_data	reporting_agent_identifier	originator	reporting agent identifier
counterparty_instrument_data	reporting_agent_identifier	originator-securitized instrument data	reporting agent identifier
counterparty_instrument_data	reporting_agent_identifier	servicer	reporting agent identifier
counterparty_instrument_data	reporting_agent_identifier	servicer-instrument data	reporting agent identifier
counterparty_reference_data	accounting_standard	reporting agent delivery	accounting standard
counterparty_reference_data	address__city_town_village	address	city / town / village
counterparty_reference_data	address__city_town_village	foreign counterparty	address city / town / village
counterparty_reference_data	address__country	address	country
counterparty_reference_data	address__country	foreign counterparty	address country
counterparty_reference_data	address__county_administrative_division	address	NUTS 3 region
counterparty_reference_data	address__postal_code	address	postal code
counterparty_reference_data	address__postal_code	foreign counterparty	address postal code
counterparty_reference_data	address__street	address	street
counterparty_reference_data	address__street	foreign counterparty	address street
counterparty_reference_data	annual_turnover	foreign legal entity in reporting member state	annual turnover
counterparty_reference_data	balance_sheet_total	foreign legal entity in reporting member state	balance sheet total
counterparty_reference_data	counterparty_identifier	counterparty	counterparty identifier
counterparty_reference_data	counterparty_identifier	debtor	counterparty identifier
counterparty_reference_data	counterparty_identifier	Dutch counterparty	counterparty identifier
counterparty_reference_data	counterparty_identifier	Dutch legal entity	counterparty identifier
counterparty_reference_data	counterparty_identifier	foreign branch debtor	counterparty identifier
counterparty_reference_data	counterparty_identifier	foreign branch in reporting member state	counterparty identifier
counterparty_reference_data	counterparty_identifier	foreign branch protection provider	counterparty identifier
counterparty_reference_data	counterparty_identifier	foreign counterparty	counterparty identifier
counterparty_reference_data	counterparty_identifier	foreign counterparty with other national identifier	counterparty identifier
counterparty_reference_data	counterparty_identifier	foreign counterparty with regular identifier	counterparty identifier
counterparty_reference_data	counterparty_identifier	foreign legal entity	counterparty identifier
counterparty_reference_data	counterparty_identifier	foreign legal entity in reporting member state	counterparty identifier
counterparty_reference_data	counterparty_identifier	foreign legal entity outside reporting member state	counterparty identifier
counterparty_reference_data	counterparty_identifier	immediate parent undertaking	counterparty identifier
counterparty_reference_data	counterparty_identifier	legal entity	counterparty identifier
counterparty_reference_data	counterparty_identifier	non-protection providing counterparty	counterparty identifier
counterparty_reference_data	counterparty_identifier	not immediate parent undertaking legal entity	counterparty identifier

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counterparty_reference_data	counterparty_identifier	not ultimate parent undertaking legal entity	counterparty identifier
counterparty_reference_data	counterparty_identifier	observed agent delivery	reported as counterparty identifier
counterparty_reference_data	counterparty_identifier	other part of legal entity	counterparty identifier
counterparty_reference_data	counterparty_identifier	part of legal entity	counterparty identifier
counterparty_reference_data	counterparty_identifier	protection provider	counterparty identifier
counterparty_reference_data	counterparty_identifier	reporting agent delivery	reported as counterparty identifier
counterparty_reference_data	counterparty_identifier	ultimate parent undertaking	counterparty identifier
counterparty_reference_data	date_of_enterprise_size	foreign legal entity in reporting member state	date of enterprise size
counterparty_reference_data	date_of_initiation_of_legal _proceedings	foreign legal entity	date of initiation of legal proceedings
counterparty_reference_data	economic_activity	foreign counterparty	economic activity
counterparty_reference_data	enterprise_size	foreign legal entity	enterprise size
counterparty_reference_data	head_office_undertaking_i dentifier	foreign branch debtor	head office undertaking identifier
counterparty_reference_data	head_office_undertaking_i dentifier	foreign branch protection provider	head office undertaking identifier
counterparty_reference_data	immediate_parent_underta king_identifier	debtor	immediate parent undertaking identifier
counterparty_reference_data	immediate_parent_underta king_identifier	protection provider	immediate parent undertaking identifier
counterparty_reference_data	institutional_sector	foreign counterparty	institutional sector
counterparty_reference_data	legal_entity_identifier__lei _	counterparty	legal entity identifier
counterparty_reference_data	legal_form	foreign legal entity	legal form
counterparty_reference_data	name	foreign counterparty	name
counterparty_reference_data	national_identifier	counterparty	national identifier type_type
counterparty_reference_data	national_identifier	counterparty	national identifier type_country
counterparty_reference_data	national_identifier	counterparty	national identifier
counterparty_reference_data	national_identifier	foreign counterparty with other national identifier	description of other identifier type
counterparty_reference_data	number_of_employees	foreign legal entity in reporting member state	number of employees
counterparty_reference_data	reporting_agent_identifier	address	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	counterparty	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	debtor	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	Dutch counterparty	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	Dutch legal entity	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	foreign branch debtor	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	foreign branch in reporting member state	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	foreign branch protection provider	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	foreign counterparty	reporting agent identifier

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counterparty_reference_data	reporting_agent_identifier	foreign counterparty with other national identifier	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	foreign counterparty with regular identifier	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	foreign legal entity	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	foreign legal entity in reporting member state	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	foreign legal entity outside reporting member state	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	immediate parent undertaking	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	legal entity	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	non-protection providing counterparty	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	not immediate parent undertaking legal entity	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	not ultimate parent undertaking legal entity	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	observed agent	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	observed agent delivery	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	other part of legal entity	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	part of legal entity	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	protection provider	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	reporting agent	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	reporting agent delivery	reporting agent identifier
counterparty_reference_data	reporting_agent_identifier	ultimate parent undertaking	reporting agent identifier
counterparty_reference_data	status_of_legal_proceedings	foreign legal entity	status of legal proceedings
counterparty_reference_data	ultimate_parent_undertaking_identifier	debtor	ultimate parent undertaking identifier
counterparty_reference_data	ultimate_parent_undertaking_identifier	protection provider	ultimate parent undertaking identifier
counterparty_risk_data	counterparty_identifier	debtor risk data	counterparty identifier
counterparty_risk_data	counterparty_identifier	protection provider risk data	counterparty identifier
counterparty_risk_data	observed_agent_identifier	debtor risk data	observed agent identifier
counterparty_risk_data	observed_agent_identifier	protection provider risk data	observed agent identifier
counterparty_risk_data	probability_of_default	debtor risk data	probability of default
counterparty_risk_data	probability_of_default	protection provider risk data	probability of default
counterparty_risk_data	reporting_agent_identifier	debtor risk data	reporting agent identifier
counterparty_risk_data	reporting_agent_identifier	protection provider risk data	reporting agent identifier
financial_data	accrued_interest	financial data	accrued interest

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financial_data	arrears_for_the_instrument	instrument past due	arrears for the instrument
financial_data	contract_identifier	credit card debt instrument	contract identifier
financial_data	contract_identifier	credit lines other than revolving credit instrument	contract identifier
financial_data	contract_identifier	current account instrument with credit limit	contract identifier
financial_data	contract_identifier	current account instrument with no credit limit	contract identifier
financial_data	contract_identifier	deposits other than reverse repurchase agreements instrument	contract identifier
financial_data	contract_identifier	drawn instrument	contract identifier
financial_data	contract_identifier	financial data	contract identifier
financial_data	contract_identifier	financial leases instrument	contract identifier
financial_data	contract_identifier	instrument not past due	contract identifier
financial_data	contract_identifier	instrument not subject to securitisation	contract identifier
financial_data	contract_identifier	instrument past due	contract identifier
financial_data	contract_identifier	instrument subject to securitisation	contract identifier
financial_data	contract_identifier	other loans instrument	contract identifier
financial_data	contract_identifier	overdraft instrument	contract identifier
financial_data	contract_identifier	reverse repurchase agreements instrument	contract identifier
financial_data	contract_identifier	revolving credit other than overdrafts and credit card debt instrument	contract identifier
financial_data	contract_identifier	trade receivables instrument	contract identifier
financial_data	date_of_past_due_for_the_instrument	instrument past due	date of past due for the instrument
financial_data	date_of_the_default_status_of_the_instrument	financial data	date of the default status of the instrument
financial_data	default_status_of_the_instrument	financial data	default status of the instrument
financial_data	instrument_identifier	credit card debt instrument	instrument identifier
financial_data	instrument_identifier	credit lines other than revolving credit instrument	instrument identifier
financial_data	instrument_identifier	current account instrument with credit limit	instrument identifier
financial_data	instrument_identifier	current account instrument with no credit limit	instrument identifier
financial_data	instrument_identifier	deposits other than reverse repurchase agreements instrument	instrument identifier
financial_data	instrument_identifier	drawn instrument	instrument identifier
financial_data	instrument_identifier	financial data	instrument identifier

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financial_data	instrument_identifier	financial leases instrument	instrument identifier
financial_data	instrument_identifier	instrument not past due	instrument identifier
financial_data	instrument_identifier	instrument not subject to securitisation	instrument identifier
financial_data	instrument_identifier	instrument past due	instrument identifier
financial_data	instrument_identifier	instrument subject to securitisation	instrument identifier
financial_data	instrument_identifier	other loans instrument	instrument identifier
financial_data	instrument_identifier	overdraft instrument	instrument identifier
financial_data	instrument_identifier	reverse repurchase agreements instrument	instrument identifier
financial_data	instrument_identifier	revolving credit other than overdrafts and credit card debt instrument	instrument identifier
financial_data	instrument_identifier	trade receivables instrument	instrument identifier
financial_data	interest_rate	financial data	interest rate
financial_data	next_interest_rate_reset_date	financial data	next interest rate reset date
financial_data	observed_agent_identifier	credit card debt instrument	observed agent identifier
financial_data	observed_agent_identifier	credit lines other than revolving credit instrument	observed agent identifier
financial_data	observed_agent_identifier	current account instrument with credit limit	observed agent identifier
financial_data	observed_agent_identifier	current account instrument with no credit limit	observed agent identifier
financial_data	observed_agent_identifier	deposits other than reverse repurchase agreements instrument	observed agent identifier
financial_data	observed_agent_identifier	drawn instrument	observed agent identifier
financial_data	observed_agent_identifier	financial data	observed agent identifier
financial_data	observed_agent_identifier	financial leases instrument	observed agent identifier
financial_data	observed_agent_identifier	instrument not past due	observed agent identifier
financial_data	observed_agent_identifier	instrument not subject to securitisation	observed agent identifier
financial_data	observed_agent_identifier	instrument past due	observed agent identifier
financial_data	observed_agent_identifier	instrument subject to securitisation	observed agent identifier
financial_data	observed_agent_identifier	other loans instrument	observed agent identifier
financial_data	observed_agent_identifier	overdraft instrument	observed agent identifier
financial_data	observed_agent_identifier	reverse repurchase agreements instrument	observed agent identifier
financial_data	observed_agent_identifier	revolving credit other than overdrafts and credit card debt instrument	observed agent identifier

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financial_data	observed_agent_identifier	trade receivables instrument	observed agent identifier
financial_data	off_balance_sheet_amount	credit card debt instrument	off-balance sheet amount
financial_data	off_balance_sheet_amount	credit lines other than revolving credit instrument	off-balance sheet amount
financial_data	off_balance_sheet_amount	current account instrument with credit limit	off-balance sheet amount
financial_data	off_balance_sheet_amount	other loans instrument	off-balance sheet amount
financial_data	off_balance_sheet_amount	revolving credit other than overdrafts and credit card debt instrument	off-balance sheet amount
financial_data	outstanding_nominal_amount	financial data	outstanding nominal amount
financial_data	reporting_agent_identifier	credit card debt instrument	reporting agent identifier
financial_data	reporting_agent_identifier	credit lines other than revolving credit instrument	reporting agent identifier
financial_data	reporting_agent_identifier	current account instrument with credit limit	reporting agent identifier
financial_data	reporting_agent_identifier	current account instrument with no credit limit	reporting agent identifier
financial_data	reporting_agent_identifier	deposits other than reverse repurchase agreements instrument	reporting agent identifier
financial_data	reporting_agent_identifier	drawn instrument	reporting agent identifier
financial_data	reporting_agent_identifier	financial data	reporting agent identifier
financial_data	reporting_agent_identifier	financial leases instrument	reporting agent identifier
financial_data	reporting_agent_identifier	instrument not past due	reporting agent identifier
financial_data	reporting_agent_identifier	instrument not subject to securitisation	reporting agent identifier
financial_data	reporting_agent_identifier	instrument past due	reporting agent identifier
financial_data	reporting_agent_identifier	instrument subject to securitisation	reporting agent identifier
financial_data	reporting_agent_identifier	other loans instrument	reporting agent identifier
financial_data	reporting_agent_identifier	overdraft instrument	reporting agent identifier
financial_data	reporting_agent_identifier	reverse repurchase agreements instrument	reporting agent identifier
financial_data	reporting_agent_identifier	revolving credit other than overdrafts and credit card debt instrument	reporting agent identifier
financial_data	reporting_agent_identifier	trade receivables instrument	reporting agent identifier
financial_data	transferred_amount	drawn instrument	transferred amount

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financial_data	type_of_securitisation	instrument subject to securitisation	type of securitisation
instrument_data	amortisation_type	instrument	amortisation type
instrument_data	commitment_amount_at_inception	instrument	commitment amount at inception
instrument_data	contract_identifier	contract	contract identifier
instrument_data	contract_identifier	deteriorated credit risk instrument	contract identifier
instrument_data	contract_identifier	fixed interest instrument	contract identifier
instrument_data	contract_identifier	instrument	contract identifier
instrument_data	contract_identifier	interest-only instrument	contract identifier
instrument_data	contract_identifier	non-deteriorated credit risk instrument	contract identifier
instrument_data	contract_identifier	non-fixed interest instrument	contract identifier
instrument_data	contract_identifier	non-interest-only instrument	contract identifier
instrument_data	contract_identifier	single participation contract	contract identifier
instrument_data	contract_identifier	syndicated contract member	contract identifier
instrument_data	contract_identifier	undrawn instrument	contract identifier
instrument_data	currency	instrument	currency
instrument_data	end_date_of_interest_only_period	interest-only instrument	end date of interest-only period
instrument_data	fair_value_changes_due_to_changes_in_credit_risk_before_purchase	deteriorated credit risk instrument	fair value changes due to changes in credit risk before purchase
instrument_data	fiduciary_instrument	instrument	fiduciary instrument
instrument_data	inception_date	contract	inception date
instrument_data	instrument_identifier	deteriorated credit risk instrument	instrument identifier
instrument_data	instrument_identifier	fixed interest instrument	instrument identifier
instrument_data	instrument_identifier	instrument	instrument identifier
instrument_data	instrument_identifier	interest-only instrument	instrument identifier
instrument_data	instrument_identifier	non-deteriorated credit risk instrument	instrument identifier
instrument_data	instrument_identifier	non-fixed interest instrument	instrument identifier
instrument_data	instrument_identifier	non-interest-only instrument	instrument identifier
instrument_data	instrument_identifier	undrawn instrument	instrument identifier
instrument_data	interest_rate_cap	non-fixed interest instrument	interest rate cap
instrument_data	interest_rate_floor	non-fixed interest instrument	interest rate floor
instrument_data	interest_rate_reset_frequency	instrument	interest rate reset frequency
instrument_data	interest_rate_spread_margin	non-fixed interest instrument	interest rate spread/margin
instrument_data	interest_rate_type	instrument	interest rate type
instrument_data	legal_final_maturity_date	instrument	legal final maturity date
instrument_data	observed_agent_identifier	contract	observed agent identifier

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instrument_data	observed_agent_identifier	deteriorated credit risk instrument	observed agent identifier
instrument_data	observed_agent_identifier	fixed interest instrument	observed agent identifier
instrument_data	observed_agent_identifier	instrument	observed agent identifier
instrument_data	observed_agent_identifier	interest-only instrument	observed agent identifier
instrument_data	observed_agent_identifier	non-deteriorated credit risk instrument	observed agent identifier
instrument_data	observed_agent_identifier	non-fixed interest instrument	observed agent identifier
instrument_data	observed_agent_identifier	non-interest-only instrument	observed agent identifier
instrument_data	observed_agent_identifier	single participation contract	observed agent identifier
instrument_data	observed_agent_identifier	syndicated contract member	observed agent identifier
instrument_data	observed_agent_identifier	undrawn instrument	observed agent identifier
instrument_data	payment_frequency	instrument	payment frequency
instrument_data	project_finance_loan	instrument	project finance loan
instrument_data	purpose	instrument	purpose
instrument_data	recourse	instrument	recourse
instrument_data	reference_rate	non-fixed interest instrument	reference rate_reference rate value
instrument_data	reference_rate	non-fixed interest instrument	reference rate_maturity value
instrument_data	repayment_rights	instrument	repayment rights
instrument_data	reporting_agent_identifier	contract	reporting agent identifier
instrument_data	reporting_agent_identifier	deteriorated credit risk instrument	reporting agent identifier
instrument_data	reporting_agent_identifier	fixed interest instrument	reporting agent identifier
instrument_data	reporting_agent_identifier	instrument	reporting agent identifier
instrument_data	reporting_agent_identifier	interest-only instrument	reporting agent identifier
instrument_data	reporting_agent_identifier	non-deteriorated credit risk instrument	reporting agent identifier
instrument_data	reporting_agent_identifier	non-fixed interest instrument	reporting agent identifier
instrument_data	reporting_agent_identifier	non-interest-only instrument	reporting agent identifier
instrument_data	reporting_agent_identifier	single participation contract	reporting agent identifier
instrument_data	reporting_agent_identifier	syndicated contract member	reporting agent identifier
instrument_data	reporting_agent_identifier	undrawn instrument	reporting agent identifier
instrument_data	settlement_date	drawn instrument	settlement date
instrument_data	subordinated_debt	instrument	subordinated debt
instrument_data	syndicated_contract_identifier	syndicated contract member	syndicated contract identifier
instrument_data	type_of_instrument	instrument	type of instrument
instrument_protection_received_data	contract_identifier	instrument-protection received data	contract identifier

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instrument_protection_received_data	instrument_identifier	instrument-protection received data	instrument identifier
instrument_protection_received_data	observed_agent_identifier	instrument-protection received data	observed agent identifier
instrument_protection_received_data	protection_allocated_value	instrument-protection received data	protection allocated value
instrument_protection_received_data	protection_identifier	instrument-protection received data	protection identifier
instrument_protection_received_data	reporting_agent_identifier	instrument-protection received data	reporting agent identifier
instrument_protection_received_data	third_party_priority_claims_against_the_protection	instrument-protection received data	third party priority claims against the protection
joint_liabilities_data	contract_identifier	joint liability	contract identifier
joint_liabilities_data	counterparty_identifier	joint liability	counterparty identifier
joint_liabilities_data	instrument_identifier	joint liability	instrument identifier
joint_liabilities_data	joint_liability_amount	joint liability	joint liability amount
joint_liabilities_data	observed_agent_identifier	joint liability	observed agent identifier
joint_liabilities_data	reporting_agent_identifier	joint liability	reporting agent identifier
protection_received_data	date_of_original_protection_value	protection received	date of original protection value
protection_received_data	date_of_protection_value	protection received	date of protection value
protection_received_data	maturity_date_of_the_protection	protection received	maturity date of the protection
protection_received_data	original_protection_value	protection received	original protection value
protection_received_data	protection_identifier	collateral located in a reporting member state	protection identifier
protection_received_data	protection_identifier	collateral not located in a reporting member state	protection identifier
protection_received_data	protection_identifier	foreign branch protection provider	counterparty identifier
protection_received_data	protection_identifier	immovable property	protection identifier
protection_received_data	protection_identifier	non-immovable property	protection identifier
protection_received_data	protection_identifier	protection provider-protection received	protection identifier
protection_received_data	protection_identifier	protection provider-protection received	primary protection provider indicator
protection_received_data	protection_identifier	protection received	protection identifier
protection_received_data	protection_provider_identifier	protection provider-protection received	counterparty identifier
protection_received_data	protection_valuation_approach	protection received	protection valuation approach
protection_received_data	protection_value	protection received	protection value
protection_received_data	real_estate_collateral_location	collateral located in a reporting member state	real estate collateral location region
protection_received_data	real_estate_collateral_location	immovable property	real estate collateral location country
protection_received_data	real_estate_collateral_location	immovable property	real estate collateral location postal code
protection_received_data	reporting_agent_identifier	collateral located in a reporting member state	reporting agent identifier
protection_received_data	reporting_agent_identifier	collateral not located in a reporting member state	reporting agent identifier

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protection_received_data	reporting_agent_identifier	foreign branch protection provider	reporting agent identifier
protection_received_data	reporting_agent_identifier	immovable property	reporting agent identifier
protection_received_data	reporting_agent_identifier	non-immovable property	reporting agent identifier
protection_received_data	reporting_agent_identifier	protection provider-protection received	reporting agent identifier
protection_received_data	reporting_agent_identifier	protection received	reporting agent identifier
protection_received_data	type_of_protection	protection received	type of protection
protection_received_data	type_of_protection_value	protection received	type of protection value