Bank of England Statistics taxonomy version 1.2.0 PWD release note

24 May 2021

Version 1.2.0 public working draft 2 (PWD2) of the Bank of England Statistics taxonomy is an update to support the collection of statistical data previously collected in an XML format. This change was announced in Statistical Notice 2021/02.

This PWD2 publication incorporates comments received during the PWD feedback window 21 April – 21 May 2021 and offers another opportunity to provide feedback. A change log has been published to outline changes between PWD and PWD2.

The taxonomy, data point model (DPM) dictionary, annotated templates and validation rules represent the reporting requirements outlined on the Forms, definitions and validations page of the Bank of England website, and collected under the Statistical Code of Practice. The data point model is an extension of the European Banking Authority's (EBA) data point model and filings will be subject to the EBA filing rules as published on the EBA website.

We invite feedback, particularly from firms and software vendors, on the PWD2 technical artefacts to uktaxonomypwdfeedback@bankofengland.co.uk by Friday 11 June 2021. Public working drafts (PWD and PWD2) should not be used for reporting. We will aim to publish the final version of the taxonomy and DPM in late July/ early August 2021.

Key changes in PWD2

A change log has been published to outline all differences between PWD and PWD2. The significant changes have been highlighted below.

- There are around 200 modifications to validation rules. Primarily this is due to adding global filters to ensure validations are only triggered in expected situations. There are also bug fixes addressing mistakes reported in the way a validation has been defined. Some of the modelling updates mentioned below also result in amendments to validations.

- 'Coverage of branch offices' modelling, previously on the z-axis, has been removed from all templates. This was initially added in relation to point 3(a) in the General Notes and Definitions but we have decided the instructions are sufficient at this time.

- Some tables relating to form DQ have been remodelled to merge asset and liability tables.

- LN.02.01.01 has been remodelled. Balance of overdrafts drawn columns now follow the same structure as the rest of the table by sitting under the small and medium-sized businesses and large businesses grouping columns.

- There is a known issue with the way the following validations are implemented in XBRL

  AD_v0034, AD_v0035, AD_v0036, AD_v0040, AD_v0041, AD_v0042, AD_v0043, AD_v0044, AD_v0045, AL_v0012, AL_v0031, AL_v0032, AL_v0033, AL_v0034, AL_v0035, AL_v0036, AL_v0037, AL_v0038, AL_v0039, AL_v0054, AL_v0078, AL_v0079, AL_v0080, AL_v0084, AL_v0085, AL_v0086, AL_v0087, AL_v0088, AL_v0089, BH_v0038, CE_v0012, CE_v0015, DQ_v0011, DQ_v0012, DQ_v0014, LN_v0013, PL_v0036, PL_v0049, PL_v0054, PL_v0069, PL_v0072 and PL_v0075.

  Some columns or rows identified by "scope" of these rules for different tables have different categorization (i.e. are modelled using different dictionary concepts).

  For example, columns of AL.01.01.01 and AL.01.01.02 tables that share the same codes shall in principle be modelled using the same dimensional properties - in particular in order to be used on "scope" of rules such as AL_v0012. However, due to pivoting of some dimensions from rows to columns (or vice versa) they don't.

  For the final taxonomy version we will either remodel the tables (i.e. migrate dimensions from rows to columns or the opposite direction) to allow the rule to work in XBRL as expected, or break them down into smaller rules (one per column or set of cells).

Specific points to note

- Reporting of forms AS and FV is currently completed against BoE Statistics taxonomy version 1.1.0. In the PWD of version 1.2.0 there are minor amendments to these modules in order to bring consistency across the full suite of forms. Validation rules currently implemented in version 1.1.0 for forms AS and FV are not in the version 1.2.0 PWD but these will be added for the final version. We will give timelines for when version 1.2.0 should be used for reporting forms AS and FV with the final publication of the taxonomy in late July/ early August.

- As the forms have been modelled in a data-centric manner box codes are no longer used. In the supporting Excel documents table, row, column and sheet references are used, which makes it clear for validation rules which data points are being compared.

- Both in form and cross form validation rules are present in the supporting Excel validations document. Only in form validation rules are present within the taxonomy package.

- The code assigned to each validation rule is prefixed by the related module(s). For cross form rules the modules are listed in alphabetical order.

- For the PWD publication all forms are structured as separate modules within the same framework. There is also an 'all' module which has all templates and validations associated to it. This structure should not be considered finalised at this stage but we welcome feedback on the approach.

- A sample file for each entry point in the taxonomy has been provided for illustration purposes. Note the files contain random data which should not be assumed to comply with the validation rules, EBA filing rules or any other technical or business requirements for valid reporting.

- We intend to move away from using the reporting institution code as the firm identifier for statistical reporting. In the version 1.2.0 PWD we have included data points for reporting the Legal Entity Identifier (LEI) or Firm Reference Number (FRN) as the firm identifier within the basic information template. We will make clear with the final taxonomy publication what should be used as a firm identifier.

Changes to document formatting

The Bank of England have refined their data model and taxonomy generation processes to ensure updates are made in a robust and automated manner. This PWD has been produced using these refined generation processes and so there are some cosmetic differences in the outputs being published compare to BoE Statistics taxonomy version 1.1.0. Key differences are outlined below:

- Additions, deletions and modifications are no longer highlighted according to the previous colour convention. Instead this information will be provided in a change log with the final taxonomy publication, and this log will include increased traceability on changes made to validation rules.

- Within the data dictionary, the domain owner has been added as a prefix to the worksheet names.

<u>Annotated templates</u>

- Each table is now given its own worksheet, rather than being grouped at a template level. Automation software can struggle with the previous approach of multiple tables on the same sheet as there isn't a clear start point to each table (given table lengths vary). To aid navigation a hyperlink to return to the 'Table of Contents' worksheet has been added in the top left of all table worksheets.

- Indented text within spreadsheet cells is no longer used. Instead separate columns are used to articulate the parent-child relationship that exists between rows. This change should improve the readability of our templates by giving clarity over the relationship between reporting requirements.

- Minor changes have been made to the notation of dimensional modelling. Dimension headings now include the dimension owner and references to the applicable domain have been removed. The domain is still noted against the domain member notation, and here the domain owner has also been added. An example is articulated below.

	Previous notation	**Revised notation**
Dimension heading	(BAS:BA) Base	eba_dim:BAS (Base)
Domain member	(BA:x17) Memorandum items	eba_BA:x17 (Memorandum items)

- Text colouring has been removed from the dimensional modelling of rows, columns and sheets. Some annotated templates have many dimensions and the text colouring was intended to differentiate between them, with the colours chosen holding no particular meaning. However this may have caused some confusion; the new format gives a faint grey border, which should help to differentiate between dimensions, and consistent column widths.

- Row codes have moved to the right-hand side of the row label. Freeze panes have also been added to ensure axis codes and labels remain visible when scrolling through the worksheet.

- Not reportable data points have become more apparent as they are now coloured grey as well as crossed out. Previously a grey fill colour was used to indicate row and column labels but the introduction of freeze panes removes the need for this colouring.

Entry points

Added

Entry point code	Entry point label	SchemaRef
all	All forms	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/all.xsd
ad	Form AD	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/ad.xsd
al	Form AL	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/al.xsd
as	Form AS	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/as.xsd
be	Form BE	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/be.xsd
bg	Form BG	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/bg.xsd
bh	Form BH	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/bh.xsd
bn	Form BN	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/bn.xsd
bt	Form BT	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/bt.xsd
c1	Form C1	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/c1.xsd
ca	Form CA	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/ca.xsd
cc	Form CC	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/cc.xsd
ce	Form CE	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/ce.xsd
cl	Form CL	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/cl.xsd
cx	Form CX	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/cx.xsd
dq	Form DQ	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/dq.xsd
el	Form ELS	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/el.xsd

er	Form ER	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/er.xsd
fi	Form FI	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/fi.xsd
fo	Form FO	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/fo.xsd
ft	Form FT	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/ft.xsd
fv	Form FV	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/fv.xsd
gt	Form GT	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/gt.xsd
ic	Form IC	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/ic.xsd
io	Form IO	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/io.xsd
is	Form IS	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/is.xsd
ln	Form LN	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/ln.xsd
mm	Form MM	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/mm.xsd
mq	Form MQ	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/mq.xsd
pb	Form PB	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/pb.xsd
pl	Form PL	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/pl.xsd
pm	Form PM	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/pm.xsd
wo	Form WO	http://www.bankofengland.co.uk/data/xbrl/fws/banking_stat/stats/2021-04-19/mod/wo.xsd