

# Central Balance Sheet Harmonized Panel Data - Data Manual

Extraction Date: June 2020

Manual Date: 19 June 2020

**Abstract:** In 2010, the national accounting standards underwent some changes, and *Plano Oficial de Contabilidade* (POC, Official Chart of Accounts) was replaced by *Sistema de Normalização Contabilística* (SNC, Accounting Standards System). This had an impact on the base information in the Central Balance Sheet Database (CB). This manual describes the panel data of Central Balance Sheet Database with harmonized variables over time available at BPLIM.

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## General Information

**Dataset Designation in English:** Central Balance Sheet Harmonized Panel Data (CBHP)

**Dataset Designation in Portuguese:** *Painel Harmonizado da Central de Balanços* (CBHP)

**Data Type:** Longitudinal Data

**Unit of Analysis:** Firms

**Frequency:** Annual

**Start Date:** 2006

**Most recent year:** 2018

**Reference date:** The data reports to the fiscal period declared by the firm. For most cases, the fiscal period coincides with the civil year. For those firms with fiscal period different than the civil year, the reference year is the one covering most of the days of the fiscal period.

**Data Organization:** Data is organized in five files:

- General Information on the firm (Cover Sheet),
- Economic and Financial Information (Balance Sheet and Profit and Loss Statements),
- Employment Information,
- Trade Information per Market,
- Corporate Actions.

In all files each row corresponds to one firm in a given year.<sup>1</sup> All files are available in Stata format, version 16.

**Version of the Data:** The data made available by BPLIM corresponds to a data freeze at a certain time of the year.<sup>2</sup> Therefore, all files contain the information as reported in the extraction date. The most recent update of the data occurred in June 2020.

**Languages Available:** Variable labels and value labels are available in Portuguese and for most of the variables also in English.<sup>3</sup>

**Related Datasets:** This product is built based on the information from Central Balance Sheet Database (CB).

**Digital Object Identifier:** 10.17900/CB.CBHP.Jun2020.V1

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<sup>1</sup>For 'Corporate Actions' data file, there may be multiple firm entries per year since the firm may be involved in more than one event for the same reference year.

<sup>2</sup>For more information, see the manual on the Annual Data of Central Balance Sheet Database.

<sup>3</sup>To see the labels in English type the following command line in Stata: 'label language en'.

## Geographical Coverage

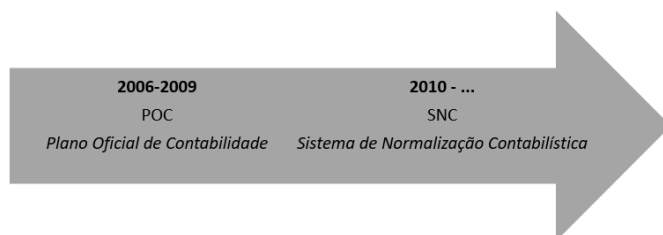
The data refers to firms located in the Mainland Portugal and Autonomous Regions – Azores and Madeira.

## Population

The population of the CBHP is the same as in the annual data, i.e. the population of all Portuguese non-financial corporations. For more information, please see the manual on *Central Balance Sheet Database (CB) - Annual Data*.

## Methodology

Central Balance Sheet Database (CB) provides economic and financial information on Portuguese non-financial corporations. The data is collected through *Informação Empresarial Simplicada* (IES) since 2006. In 2010, the national accounting standards underwent some changes, and *Plano Oficial de Contabilidade* (POC, Official Chart of Accounts) was replaced by *Sistema de Normalização Contabilística* (SNC, Accounting Standards System), which is closer to the International Accounting Standards (IAS) and International Financial Reporting Standards (IFRS). This had an impact on the base information in CB (Banco de Portugal, 2014; Banco de Portugal, 2019).



With the introduction of SNC, several changes were introduced. For example:

- some accounting items were simply redenominated;
- some accounting items were aggregated or disaggregated;
- there are new variables being reported. The Interest Income (VF16150) and Net Non-current Assets Held for Sale (VF16035) are some examples of variables that are not reported in the financial statements written according to POC;
- the asset items in POC accounting system were reported in gross terms and the amortizations and adjustments were reported separately for each item of the Balance Sheet. The financial statement written according to

SNC does not have a separate item for depreciations as POC did and all variables are being reported in net terms.

- SNC introduced different reporting standards for firms with different sizes. After 2010, Micro-Entities and Small-sized Entities <sup>4</sup> were required to report a lower number of variables.

Therefore, some accounting items in the old accounting system have an approximate correspondence and others have no correspondence at all in SNC. Some variables had to be aggregated to guarantee the comparability before and after 2010. Besides, the harmonized variables can only be calculated if their components are reported for all entities according to the reporting standards adopted by the firm. Therefore, CBHP contains a lower number of variables than those included in CB. Currently we make available approximately 60 harmonized variables on the Balance Sheet and Profit and Loss Statement. In the Employment Information file, we make available 20 variables and in the Trade Information per market file, 14 variables are available. All variables in the Cover Sheet File and the Corporate Actions File are available given that this type of information was not affected by the accounting standards.

Table 1 – Number of Harmonized Variables by type of information

Type of Information	Number of Harmonized Variables	Time Period
General Information (Cover Sheet) File	26	2006-2018
Economic and Financial Information File	61	2006-2018
Employment Information File	20	2006-2018
Trade Information per Market File	14	2006-2018
Corporate Actions	10	2006-2018

In this section, we describe the procedure to compute the harmonized variables available in CBHP. For a complete account on how each variable made available in the panel was computed, check the Description of Variables. All the calculations are done based on the annual files of CB. Therefore, the number of firms and the time period available are the same as in the annual files. The panel dataset is updated once per year around the month of June, at the same time as the annual data of CB. The most recent extraction occurred in June 2020.

The harmonization procedure is different for each file described in Table 1. While the information in the Cover sheet did not suffer any significant change with the introduction of SNC, the harmonization of the Economic and Financial Informa-

<sup>4</sup>A Micro-Entity is defined as a firm that falls below in at least two of the following criteria at the balance sheet date of the previous fiscal period: i) total assets equal to 500.000 euros; ii) net turnover equal to 500.000 euros; or iii) average number of employees equal to 5. Small-sized Entities are firms satisfying at least two of the following conditions: i) total assets below 1.500.000 euros; ii) Total net sales and other income lower than 3.000.000 euros or; iii) average number of employees less than 50. For more details please check the manual on *Central Balance Sheet Database (CB) - Annual Data*.

tion is not a straightforward task. Therefore, we classified the harmonization methodology in three different categories:

- **Type 1:** covers the information unaffected by the change in the accounting system, which includes the Cover Sheet and the Corporate Actions Files. In these cases, we simply append the annual datasets. The name of the variables remain the same since no change on the original data was undertaken.
- **Type 2:** covers the information that was directly affected by the change in the accounting system, i.e., the Economic and Financial Information and Trade Information per Market. It also includes the Employment Information because the variables are collected through different tables in IES and have different denominations under POC and SNC accounting systems. For this type of files, we rely on the definition of the variables under the current accounting system (SNC) and compute a formula using the POC items needed to ensure the comparability over time. For example, the procedure to compute the item Turnover (D001) is illustrated below for a fictional firm:

ano	tina	planocont	VF03045	VF03046	VF03047	VF16132	D001
2006	500000000	POC	.	.	.	.	0
2007	500000000	POC	100	100	100	.	300
2008	500000000	POC	100	100	.	.	200
2009	500000000	POC	100	100	100	.	300
2010	500000000	SNC	.	.	.	100	100
2011	500000000	SNC	.	.	.	100	100
2012	500000000	SNC	.	.	.	100	100
2013	500000000	SNC	.	.	.	100	100
2014	500000000	SNC	.	.	.	100	100
2015	500000000	SNC	.	.	.	100	100
2016	500000000	SNC	.	.	.	100	100
2017	500000000	SNC	.	.	.	100	100
2018	500000000	SNC	.	.	.	100	100

The SNC variable - VF16132 (Turnover) - corresponds to the sum of the variables VF03045 (Sales of goods), VF03046 (Sales of products) and VF03047 (Provision of services) in the POC accounting system. Therefore, a new harmonized variable is computed - D001 - using these auxiliary variables. After calculating the harmonized variable, the auxiliary variables are dropped and only the variables in bold are kept in the dataset. All missing values in the auxiliary variables are treated as zeros. The report of IES is mandatory for all firms that are required to send the financial statements to the Ministry of Finance. Therefore, all items have to be completed in a consistent manner so that the firm is able to submit the declaration and the real value of a specific variable is assumed to be zero if it is not reported. The naming convention for Balance Sheet variables in the

panel data is Bxxx or BLxxx, for Profit and Loss Statement is Dxxx or DLxxx, for Employment Information is Exxx and for Trade Information per Market is MGxxx.

After identifying all variables that can be potentially included in the panel dataset, we produced and analyzed technical reports on each variable. Namely, we did the following checks to ensure the compatibility of the panel variables over time:

1. analyze the evolution of the mean and median values of the relative changes over time.<sup>5</sup> We try to identify whether there is any discontinuity in 2010, the first year in which most of the firms reported under *Sistema de Normalização Contabilística*.<sup>6</sup>
2. check whether abnormal relative changes (relative changes above 100%) are found more often in the transition to the new accounting system.
3. decomposition of the yearly variation of the total value of each variable due to the expansion and contraction of incumbents and the entry and exit of firms.
4. regression of each variable on time dummies to detect any structural change in the variable after 2010.

The link to the report on each variable is available in the section Description of Variables. The harmonization procedure tries to ensure the compatibility of the variables over time as much as possible. However, there may be more than one harmonization methodology and the transition between the old and the new accounting rules and concepts may take some time. For these reasons, some harmonized variables may show a clear discontinuity in 2010.

We also produce reports for the Economic and Financial Information File, Employment Information File and Trade Information per Market File checking whether the sum of disaggregated variables corresponds to the aggregated variables. These reports are available in the Auxiliary Files Section.

- **Type 3:** covers the Economic and Financial Indicators files containing information affected by the change in the accounting system. The information on this file is calculated using the variables available in the Economic and Financial Information File. We provide a Stata ado file to compute all the economic and financial indicators that are possible to harmonize over time given the information available in the panel dataset. By adopting this procedure, the size of the dataset is minimized. All indicators variables calculated by this ado are denominated Rxxx.

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<sup>5</sup>The relative changes are defined as the difference between the value of the variable observed in year t minus the value observed in the previous year. Relative changes are computed with respect to the average of year t and t-1 and are measured in percentage.

<sup>6</sup>In 2010 some declarations were reported according to *Plano Oficial de Contas*. This situation occurs mostly for declarations sent in the cessation period and before or after the firms adopts a special fiscal period - a fiscal period different from the calendar year.

## Description of Files

Similarly to the annual data files, CBHP is organized in five files. Each file provides a different type of information, namely:

Type of Information	File Name
<b>A. General Information (Cover sheet)</b>	CBHP_A_YFRM_yyyyYYYY_eeee_ROSTO_V01.dta
<b>B. Economic and Financial Information</b>	CBHP_A_YFRM_yyyyYYYY_eeee_CONTAS_V01.dta
<b>C. Employment Information</b>	CBHP_A_YFRM_yyyyYYYY_eeee_PESSOAL_V01.dta
<b>D. Trade Information per Market</b>	CBHP_A_YFRM_yyyyYYYY_eeee_MG_V01.dta
<b>E. Corporate Actions</b>	CBHP_A_YFRM_yyyyYYYY_eeee_AMARC_V01.dta

Where *A* stands for anonymized and *yyyy* corresponds to the first year available and *YYYY* corresponds to most recent year available. *eeee* reports the extraction date.

All files contain a unique firm identifier (*tina*) and a reference year (*ano*) allowing the matching of the different types of information by firm. Whenever possible, labels and value labels were attributed to all categorical variables. All data sets are anonymized.

## Description of Variables

### A. General Information File (Cover Sheet)

The information reported in this file was not affected by the change in the accounting system. Therefore, the panel dataset includes all the variables available in the annual data files.

#### A1. Identifiers

**Firm identifier (*tina*)** – Unique identifier that enables tracking the firm over time. *tina* is the anonymized tax identification number. The first digit of the tax identification number contains information on the type of corporation and legal form. Therefore, this first digit is preserved in *tina*.

**Reference year of the data (*ano*)** – Reference year of the data.

#### A2. Other variables

All the variables available in CB are also available in the CBHP. For a full description of these variables please check the manual on *Central Balance Sheet*

*Database (CB) - Annual Data* or the auxiliary file `var_rosto.html`.

The variables reporting the accounting system (*planocont*) and the accounting standards (*regime*) under which the firm is reporting information are kept in the panel dataset. These variables do not have any interpretation given that all the economic and financial variables included in the panel dataset are harmonized over time. They are kept in the dataset because they may be useful in case one wants to calculate additional variables not provided by BPLIM.

## B. Economic and Financial Information File

This file provides a set of balance sheet and profit and loss statement variables harmonized over time. For a full account of the SNC items included in the definition of the harmonized variable see the auxiliary file `contas_snc_items.html`.

### B1. Identifiers

**Firm identifier** (*tina*) – Unique identifier that enables tracking the legal entity over time. *tina* is the anonymized tax identification number.

**Reference year of the data** (*ano*) – Reference year of the data.

### B2. Balance Sheet Variables

#### Assets

Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
B001	<b>Total Assets (QS)</b>	Total non-current assets; Total current assets	VF15991	Formula in POC	Report - B001
B004	> Total non-current assets (QS)	Fixed tangible assets and intangible assets; Financial investments; Remaining non-current assets	VF15994	Formula in POC	Report - B004



Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
B005	> > Fixed tangible assets and intangible assets	Intangible assets (including Goodwill); Land and buildings; Basic equipment; Other fixed assets; Payments on account of fixed assets	VF15995	Formula in POC	Report - B005
B012	> > > Fixed tangible assets	Land and buildings; Basic equipment; Other fixed assets; Payments on account of fixed assets 7	VF16002	Formula in POC	Report - B012
B025	> > Financial investments	Investments in subsidiary and associated companies; Financial investments (excepting investments in subsidiary and associated companies	VF16015	Formula in POC	Report - B025
B158	> > Non-current assets - Remaining non-current assets	Shareholders / partners; Deferred tax assets	VF18510	Formula in POC	Report - B158

Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
B029	> Total Current assets (QS)	Inventories and biological assets; Customers; Remaining current assets; Cash and bank deposits; Non-current assets held for sale <sup>8</sup>	VF16019	Formula in POC	Report - B029
B032	> > Current assets - Inventories and biological assets	Raw and subsidiary materials and consumables; Advances from customers; Inventories (excepting Raw and subsidiary materials and consumables)	VF16022	Formula in POC	Report - B032
B041	> > Current assets - Customers		VF16031	Formula in POC	Report - B041
B049	> > Current assets - Cash and bank deposits		VF16039	Formula in POC	Report - B049

Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
B159	> > Current assets - Remaining current assets	Current assets - State and other public entities; Other current assets; Shareholders; Deferred expense	VF18511	Formula in POC	Report - B159
B042	> > Current assets - State and other public entities		VF16032	Formula in POC	Report - B042

### Equity

Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
B060	<b>Equity and Liabilities (QS)</b>	Equity; Liabilities	VF16050	Formula in POC	Report - B060
B061	<b>&gt; Equity (QS)</b>	Paid-up capital; Other equity instruments; Reserves and retained earnings; Other items of equity; Net income; Interim dividends	VF16051	Formula in POC	Report - B061
BL005	> > Legal reserves		VF13024	Formula in POC	Report - BL005

<sup>7</sup>With the introduction of SNC some components that were previously classified as fixed tangible assets were reallocated to intangible assets to accommodate international standards. An example is highway concessions which were considered as tangible assets in POC and were reclassified as intangible assets in SNC.

<sup>8</sup>This variable has no match in *Plano Oficial de Contas*.

Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
BL007	> > Retained earnings		VF13026	Formula in POC	Report - BL007
B074	> > Interim dividends		VF16064	Formula in POC	Report - B074
B143	> > Subscribed capital		VF16425	Formula in POC	Report - B143

### Liabilities

Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
B080	> <b>Liabilities (QS)</b>	Non-current liabilities;	VF16070	Formula in POC	Report - B080
B081	> > Non-current liabilities	Current liabilities Obtained funding; Post-employment benefits; Remaining non-current liabilities	VF16071	Formula in POC	Report - B081
B085	> > > Non-current liabilities - Obtained funding		VF16075	Formula in POC	Report - B085
B160	> > > Non-current liabilities - Remaining non-current liabilities	Provisions; Other accounts payable; Deferred tax liabilities	VF18512	Formula in POC	Report - B160
B089	> > Current liabilities (QS)	Suppliers; Obtained funding; Remaining current liabilities	VF16079	Formula in POC	Report - B089

Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
B093	> > > Current liabilities - Suppliers		VF16083	Formula in POC	Report - B093
B161	> > > Current liabilities - Remaining current liabilities	State and other public sector institutions; Other current liabilities; Deferred income	VF18513	Formula in POC	Report - B161
B094	> > > > Current liabilities - State and other public entities		VF16084	Formula in POC	Report - B094

### B3. Profit and Loss Statement Variables

Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
D021	<b>Total income</b>	Turnover; Remaining income	VF16152	Formula in POC	Report - D021
D001	> Turnover	Sales; Services	VF16132	Formula in POC	Report - D001
D002	> > Sales	Sales of good and products	VF16133	Formula in POC	Report - D002
DL017	> > Services		VF15599	Formula in POC	Report - DL017

Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
D111	> Remaining Income	Operating subsidies; Variation in production; Capitalized production; Other incomes; Obtained interest and similar income <sup>9</sup>	VF18514	Formula in POC	Report - D111
D005	> > Operating subsidies		VF16136	Formula in POC	Report - D005
D006	> > Variation in production		VF16137	Formula in POC	Report - D006
D007	> > Capitalized production		VF16138	Formula in POC	Report - D007
DL043	Supplementary income		VF15650	Formula in POC	Report - DL043
D013	Other incomes - Income from financial assets		VF16144	Formula in POC	Report - D013
D062	<b>Total Expenses (QS)</b>	Costs of goods sold and material consumed; Supplies and external services; Employee expenses; Remaining expenses; Ex-penses/reversals of deprecia-tions and amortiza-tions; Interest expenses; Income tax	VF16193	Formula in POC	Report - D062

Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
D025	> Costs of goods sold and material consumed		VF16156	Formula in POC	Report - D025
D026	> Supplies and external services		VF16157	Formula in POC	Report - D026
D029	> Employee expenses	Salaries; Social security expenses; Other employee expenses	VF16160	Formula in POC	Report - D029
D030	> > Salaries	Salaries of Corporate Bodies; Salaries of employees	VF16161	Formula in POC	Report - D030
DL011	> > > Salaries of corporate bodies		VF15555	Formula in POC	Report - DL011
DL012	> > > Salaries of employees		VF15557	Formula in POC	Report - DL012
DL045	> > Employee expenses - Other, except salaries	Social security expenses; Insurance schemes for accidents at work and occupational diseases; Expenses with social actions; Post-employment benefits; Indemnities; Other employee expenses	VF15554 - VF16161	Formula in POC	Report - DL045

Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
DL013	> > > Social security expenses		VF15565	Formula in POC	Report - DL013
DL014	> > > Insurance schemes for accidents at work and occupational diseases		VF15566	Formula in POC	Report - DL014
D108	> Remaining expenses	Impairment (losses/reversals) and changes (gains/losses) in fair value; Provisions (in-creases/decreases); Other expenses	VF16572	Formula in POC	Report - D108
D041	> Ex-penses/reversals of depreciations and amortizations		VF16172	Formula in POC	Report - D041
D053	> Interest expenses		VF16184	Formula in POC	Report - D053
D060	> Income tax		VF16191	Formula in POC	Report - D060



Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
D112	Impairment losses, changes in fair value and other expenses and losses in fin. invest. and fin. instrum.	Impairment (losses/reversals) and changes (gains/losses) in fair value in financial instruments and investments; Other expenses - expenses in financial investments and other financing expenses	VF18515	Formula in POC	Report - D112

Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
D082	<b>Operating net income</b>	(Turnover; Remaining income (excepting Obtained interest and similar income) <sup>10</sup> ; Impairment losses, changes in fair value and other expenses and losses in fin. invest. and fin. instrum.) - (Income from financial assets; Costs of goods sold and material consumed, Supplies and external services, Employee expenses and Remaining expenses)	VF16213	Formula in POC	Report - D082

Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
D084	<b>Earnings before Interest, Taxes, Depreciation and Amortization - EBITDA</b>	(Turnover; Remaining income (excepting Obtained interest and similar income) <sup>11</sup> ) - (Costs of goods sold and material consumed; Supplies and external services; Employee expenses; Remaining expenses)	VF16215	Formula in POC	Report - D084
D085	<b>Earning before Interest and Tax - EBIT</b>	(Turnover; Remaining income (excepting Obtained interest and similar income) <sup>12</sup> ) - (Costs of goods sold and material consumed; Supplies and external services; Employee expenses; Remaining expenses; Ex-penses/reversals of deprecia-tions and amortizations)	VF16216	Formula in POC	Report - D085

Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
D086	<b>Earnings before Tax - EBT</b>	(Turnover; Operating subsidies; Variation in production; Capitalized production; Other income; Interest, dividends and other similar income) - (Costs of goods sold and material consumed; Supplies and external services; Employee expenses; Impairment, provisions, Losses/reversals of deprecia- tions and amor- tizations; Other expenses; Financial expenses and losses) <sup>13</sup>	VF16217	Formula in POC	Report - D086
D087	<b>Net income</b>	Total Income - Total Expenses <sup>14</sup>	VF16218	Formula in POC	Report - D087
DL002	Other expenses - Cash discounts granted		VF15843	Formula in POC	Report - DL002

Variable	Variable description	Definition	SNC Variable	Formula in POC	Variable Report
DL005	Other expenses - Other - Donations		VF15859	Formula in POC	Report - DL005
DL047	Indirect taxes	Indirect Taxes; Fees <sup>15</sup>	VF15841 + VF15842	Formula in POC	Report - DL047

## C. Employment Information File

This file contains information on the number of employees and number of hours worked. Although the change in the accounting system did not have a direct impact on the report of this information, the denomination of the variables is different under both accounting regimes. Also, some variables are no longer required after 2010, such as the number of paid apprentices and home workers. The number of employees by gender only started being reported after 2010. These variables are reported on Tables Q05-0507-Nota7 in the forms written according to POC and Q05A-05291-A in the forms written according to SNC.

### C1. Identifiers

**Firm identifier** (*tina*) – Unique identifier that enables tracking the legal entity over time. *tina* is the anonymized tax identification number.

**Reference year of the data** (*ano*) – Reference year of the data.

### C2. Number of employees

<sup>9</sup>Obtained interest and similar income has to be subtracted to Remaining Income to make it compatible with the POC formula.

<sup>10</sup>The item “Obtained interest and similar income” has no correspondence in the POC accounting system.

<sup>11</sup>Obtained interest and similar income has to be subtracted to Remaining Income to make it compatible with the POC formula.

<sup>12</sup>Obtained interest and similar income has to be subtracted to Remaining Income to make it compatible with the POC formula.

<sup>13</sup>In SNC, some components of EBT are different from the ones used to compute EBIT.

<sup>14</sup>This variable is not computed using the total income and total expenses as given by D021 and D062, respectively. This formula corresponds to the difference between D020 - Total income and D061 - Total expenses.

<sup>15</sup>Indirect taxes (account 6812) and fees (account 6813) are reported separately in the *Sistema de Normalização Contabilística* (SNC, Accounting Standards System).

Variable	Variable description	SNC Variable	Formula in POC	Variable Report
E001	Number of (paid and unpaid) employees	VF15532	VF03319	Report - E001
E002	Number of paid employees	VF15534	VF03321	Report - E002
E003	Number of unpaid employees	VF15536	VF04902	Report - E003
E004	Number of (paid and unpaid) full-time employees	VF15538	VF03320	Report - E004
E005	Number of paid full-time employees	VF15540	VF04903	Report - E005
E006	Number of (paid and unpaid) part-time employees	VF15542	VF04904	Report - E006
E007	Number of paid part-time employees	VF15544	VF03324	Report - E007
E008	Number of employees allocated to research and development	VF15550	VF03326	Report - E008
E009	Service providers	VF15551	VF03325	Report - E009
E010	Temporary Agency Employment	VF15553	VF03327	Report - E010

### C3. Number of hours of work

Variable	Variable description	SNC Variable	Formula in POC	Variable Report
E011	Number of hours worked by paid and unpaid employees	VF15533	VF03328	Report - E011
E012	Number of hours worked by paid employees	VF15535	VF03330	Report - E012
E013	Number of hours worked by unpaid employees	VF15537	VF04905	Report - E013
E014	Number of hours worked by paid and unpaid full-time employees	VF15539	VF03329	Report - E014

Variable	Variable description	SNC Variable	Formula in POC	Variable Report
E015	Number of hours worked by paid full-time employees	VF15541	VF04906	Report - E015
E016	Number of hours worked by paid and unpaid part-time employees	VF15543	VF04907	Report - E016
E017	Number of hours worked by paid part-time employees	VF15545	VF03331	Report - E017
E018	Number of hours worked by service providers	VF15552	VF03332	Report - E018

## D. Trade information per market file

According to the forms written according to POC and respective filling instructions (Q0544-Nota44), some variables are reported in net terms. These variables were reported in a different table and have new denominations in the new accounting system (Q05-A-05302-A). However, there is a direct correspondence between the POC and SNC variables.

### D1. Identifiers

**Firm identifier** (*tina*) – Unique identifier that enables tracking the legal entity over time. *tina* is the anonymized tax identification number.

**Reference year of the data** (*ano*) – Reference year of the data.

### D2. Variables available

Variable	Variable description	SNC Variable	Formula in POC	Variable Report	
MG001	Total Sales - Internal Market		VF15619	VF03949	Report - MG001
MG002	Total Services - Internal Market		VF15623	VF03950	Report - MG002
MG003	Total Purchases - Internal Market		VF15627	VF03951	Report - MG003
MG004	Total Sales - EU-Market		VF15620	VF03953	Report - MG004
MG005	Total Services - EU-Market		VF15624	VF03954	Report - MG005
MG006	Total Purchases - EU-Market		VF15628	VF03955	Report - MG006
MG007	Total Sales - Extra EU-Market		VF15621	VF03957	Report - MG007
MG008	Total Services - Extra EU-Market		VF15625	VF03958	Report - MG008
MG009	Total Purchases - Extra EU-Market		VF15629	VF03959	Report - MG009
MG010	Total Sales		VF15622	VF03961	Report - MG010
MG011	Total Services		VF15626	VF05195	Report - MG011

Variable	Variable description	SNC Variable	Formula in POC	Variable Report	
MG012	Total Purchases		VF15630	VF03962	Report - MG012

## E. Corporate Actions File

This file contains information on firm actions that occurred during the fiscal period altering the structure of the firm and affecting the comparability of the economic and financial information over time. The variables below are computed by the Statistics Department of *Banco de Portugal* and, therefore, are not affected by the change in the accounting system. The data has a significant but not exhaustive coverage of the corporate actions that have an impact on the structure of the non-financial corporations included in CBHP.

### E1. Identifiers

**Firm identifier** (*tina\_origem*, *tina\_destino*) – firm identification codes that enable identifying the firm of origin and the firm of destination of the corporate action.

*tina\_origem* - firm of origin's anonymized tax identification number,

*tina\_destino* - firm of destination's anonymized tax identification number.

**Reference year of the data** (*ano*) – Reference year of the data.

**Number of order of the corporate action** (*numordem*): Corporate action's number of order.

### E2. Information on the Corporate Action

**Type of corporate action** (*tipoacont*) - this variable reports the type of corporate action:

Code	Designation
10	Merge
20	Split
30	Activity Interruption by non-seasonal companies (>3 months, consecutive or not)
62	Dissolution of a significant part of productive assets without split
67	Other corporate actions
70	Disposal of a significant part of productive assets
71	Acquisition of a significant part of productive assets
72	Transfer of a significant part of productive assets
78	Change of economic activity with the creation of a new firm



Code	Designation
79	Change of economic activity without the creation of a new firm

Some relevant definitions are available in subsection E3. Relevant Definitions

**Number of months of activity interruption** (*mesesparagem*) - number of months the firm interrupted its activity. This variable is only filled in when the type of corporate action corresponds to an activity interruption (*tipoacont*=30).

**Effect on data comparability** (*efeitopessoal*, *efeitobalanco*, *efeitodemresult*, *efeitocontas*) - set of dummy variables stating whether the corporate action has an effect on data comparability. By default, it is considered that the corporate action has an effect on data comparability if the relative annual change of the relevant variable (Number of Paid and Unpaid Employees, Total Assets or Turnover) exceeds 10%. After the quality control takes place, however, the action may be considered to have or not an effect on data comparability according to the analysis of the firm's information.

*efeitopessoal* - dummy variable taking value one ("Yes") if the corporate action has an impact on the Number of Paid and Unpaid Employees.<sup>16</sup>

*efeitobalanco* - dummy variable taking value one ("Yes") if the corporate action has an impact on Total Assets.

*efeitodemresult* - dummy variable taking value one ("Yes") if the corporate action has an impact on Turnover.

*efeitocontas* - dummy variable taking value one ("Yes") if the corporate action has an impact on the overall economic and financial statements.

### E3. Relevant definitions

**Merge**- This corporate action occurs if two or more companies combine into a newly created company or an existing one. In this last case, the firm is simultaneously the Firm of Origin and the Firm of Destination.

**Split** – This corporate action occurs when a company divides its activity into two or more existing and/or newly created companies. If the firm splitting its activity stay in business then this firm is simultaneously the Firm of Origin and the Firm of Destination.

**Change of Economic Activity (with/without the creation of a new firm)** - structural change on the firm affecting the comparability of the information over time. For example, a firm being assigned a new Tax Identification

<sup>16</sup>Please note that the variable Number of Paid and Unpaid Employees is only reported in IES from 2006 onwards. Therefore, it is not possible to assess the effects of the corporate actions reported in 2006 on employment information (*efeitopessoal*). For this reason, the variable *efeitocontas* may also be understated in 2006.

Number due to changes in firm's legal form, sector of activity or institutional sector.

**Dissolution of a significant part of productive assets without split** - significant diminution in the economic activity of the firm that is not explained by the transfer of productive assets to an existing or newly created firm.

## F. Economic and Financial indicators

The Economic and Financial Indicators are calculated based on the information available in the Economic and Financial Information file. For an overview of the formulas used to compute these variables check the auxiliary file `indicadores_formula.html`. A Stata ado file (`cbhp_addindic.ado`) is provided by BPLIM upon request to create the variables listed below. These variables follow the naming convention Rxxx.

	Variable Name	Variable Description
R001	Current ratio	
R002	Quick ratio	
R003	Capital ratio (QS)	
R006	Assets to equity ratio	
R007	Solvency ratio (QS)	
R009	Non-current assets coverage ratio	
R023	Financial Cost Effect	
R034	Return on sales	
R036	Return on assets	
R040	EBITDA over Turnover	
R041	Degree of combined leverage	
R050	Asset turnover (times) - (QS)	
R056	Coefficient Fixed non-financial assets over employee expenses	
R150	Asset turnover ratio	
R152	Profit or loss of the year before taxes (EBT) / Equity	
R155	Profit or loss of the year before taxes (EBT) / Net turnover	
R156	Equity / Total assets	
R157	Trade payables / Total assets	
R158	Total income / Net turnover	
R159	Total expenses / Net turnover	
R160	Financial fixed assets / Total assets	
R161	Trade receivables / Total assets	

## Basic Descriptive Statistics

Table 1- Firm flows (as of June 2020 extraction)

(CB Panel 2006-2018 - Ref. 2020\_06 - YFRM/Rosto (V01) - Intermediate)

```

*****
Analyzing S:/data/Products/CB/2020_06/CB_Panel/Output/Data/Firms/CBHP_I_YFRM_20062018_JUN20_ROSTO_V01.dta
*****

*****
Basic descriptives
*****
There are 5028327 time x individuals observations
There are 727944 unique individuals
Time values range from 2006 to 2018
Maximum time range is 13
The average number of periods per individual is 6.91
The level of completeness is 53.14% (100% is a fully balanced panel)
Average number of gaps per individual is 0.03
Average gap size is 1.74
Largest gap is 11
*****

*****
Distribution of number of observations per individual
*****

```

Observ per individual	Freq.	Percent	Cum.
1	80,233	11.02	11.02
2	80,125	11.01	22.03
3	70,117	9.63	31.66
4	60,136	8.26	39.92
5	48,790	6.70	46.62
6	45,778	6.29	52.91
7	36,800	5.06	57.97
8	32,811	4.51	62.48
9	26,594	3.65	66.13
10	24,720	3.40	69.53
11	24,229	3.33	72.85
12	23,765	3.26	76.12
13	173,846	23.88	100.00
Total	727,944	100.00	

```

*****
Number of individuals per time unit
*****

```

Time	Freq.	Percent	Cum.
2006	344,417	6.85	6.85
2007	359,638	7.15	14.00
2008	369,909	7.36	21.36
2009	369,928	7.36	28.72
2010	370,692	7.37	36.09
2011	379,575	7.55	43.64
2012	380,911	7.58	51.21
2013	386,118	7.68	58.89
2014	391,405	7.78	66.67
2015	403,788	8.03	74.70
2016	411,041	8.17	82.88
2017	422,467	8.40	91.28
2018	438,438	8.72	100.00
Total	5,028,327	100.00	

```

*****
Distribution of the size of the time gaps

```

\*\*\*\*\*

Size of time gaps	Freq.	Percent	Cum.
1	14,579	62.64	62.64
2	4,409	18.94	81.58
3	2,061	8.86	90.44
4	1,108	4.76	95.20
5	612	2.63	97.83
6	243	1.04	98.87
7	137	0.59	99.46
8	84	0.36	99.82
9	28	0.12	99.94
10	8	0.03	99.98
11	5	0.02	100.00
Total	23,274	100.00	

\*\*\*\*\*

Distribution of the number of gaps by individual

\*\*\*\*\*

Number of gaps per individual	Freq.	Percent	Cum.
0	706,365	97.04	97.04
1	19,999	2.75	99.78
2	1,472	0.20	99.99
3	101	0.01	100.00
4	7	0.00	100.00
Total	727,944	100.00	

\*\*\*\*\*

Time changes - incumbents, entrants and exits

\*\*\*\*\*

time	total	inc1	entry	first	reent	inc2	exit	last	reex
2006	344417	0	344417	344417	0	325281	19136	16399	2737
2007	359638	325281	34357	34357	0	335218	24420	22165	2255
2008	369909	335218	34691	33121	1570	341264	28645	25749	2896
2009	369928	341264	28664	27341	1323	341332	28596	25450	3146
2010	370692	341332	29360	26911	2449	345825	24867	22960	1907
2011	379575	345825	33750	30756	2994	350773	28802	27152	1650
2012	380911	350773	30138	27401	2737	352548	28363	26695	1668
2013	386118	352548	33570	31782	1788	359107	27011	24738	2273
2014	391405	359107	32298	30670	1628	367174	24231	22984	1247
2015	403788	367174	36614	33745	2869	377280	26508	24794	1714
2016	411041	377280	33761	32388	1373	385275	25766	23985	1781
2017	422467	385275	37192	35604	1588	396032	26435	26435	0
2018	438438	396032	42406	39451	2955	0	438438	438438	0

time - time period

```

total - total number of individuals at time t
inc1 - number of individuals at t that are also present at t-1
entry - number of individuals at t that are not present at t-1
first - number of individuals at t who show up for the first time at t
reent - number of individuals at t that are reentering at time t
inc2 - number of individuals at t that are also present at t+1
exit - number of individuals at t that are not present at t+1
last - number of individuals at t that are not present at any future time
reexit - number of individuals at t not present at t+1 that appear in later times

the following identities hold:
total[t+1]=total[t]-exit[t]+entry[t+1]
inc1=total-entry)
entry=first+reent
inc2=inc1[t+1]
exit=last+reexit

*****
Top 10 patterns in the data
*****

```

	Pattern	Frequency
1.	111111111111	173846
2.	0000000000001	39451
3.	0000000000011	33038
4.	00000000000111	27665
5.	00000000001111	26237
6.	0000000011111	21891
7.	0000000111111	21274
8.	1110000000000	19397
9.	1100000000000	19317
10.	1111000000000	17000

Note: 1 if observation is in the dataset; 0 otherwise

## Auxiliary Files

For summary statistics, a codebook and description of each dataset please check the following auxiliary files:

File	Summary Statistics	Codebook	Dataset description	Report
Summary of all variables	variables_pt_en			
General Information File	stat_Rosto	cdk_Rosto	dscr_Rosto	
Economic and Financial Information File	stat_Contas	cdk_Contas	dscr_Contas	rppt_Contas
Employment Information File	stat_Pessoal	cdk_Pessoal	dscr_Pessoal	rppt_Pessoal
Trade Information per Market File	stat_MG	cdk_MG	dscr_MG	rppt_MG
Corporate Actions File	stat_amarc	cdk_amarc	dscr_amarc	

## Frequently Asked Questions

The most frequently asked questions can be found here. If you have a question that is not covered in this manual, please send an email to [bplim@bportugal.pt](mailto:bplim@bportugal.pt).

## Citation of this dataset

Banco de Portugal Microdata Research Laboratory (BPLIM) (2020): Central Balance Sheet Harmonized Panel. Extraction: June 2020. Version: V1. BANCO DE PORTUGAL. Dataset. <https://doi.org/10.17900/CB.CBHP.Jun2020.V1>

## References

Banco de Portugal (2014). Quadros do Setor e Quadros da Empresa e do Setor-Notas Metodológicas Série Longa 1995-2013. Estudos da Central de Balanços. Lisboa.

Banco de Portugal (2019). Quadros do setor e quadros da empresa e do setor. Estudos da Central de Balanços. Lisboa.

## Appendix

### Balance Sheet Variables

#### B001 - Formula in POC

##### Total Assets

Variable name	Variable description	Coefficient
B004	Total non-current assets (QS)	1
B029	Total current assets (QS)	1

return

#### B004 - Formula in POC

##### Total non-current assets (QS)

Variable name	Variable description	Coefficient
B005	Fixed tangible assets and intangible assets	1
B025	Financial investments	1
B158	Non-current assets - Remaining non-current assets	1

return

---

## B005 - Formula in POC

### Fixed Tangible Assets and Intangible Assets

Variable name	Variable description	Item in IES	Coefficient
VF03088	Intangible assets	Q04-A0207-3-soma	1
VF03117	Tangible fixed assets	Q04-A0218-3-soma	1
VF03587	Investment in properties	Q05-0510-Nota10-A1489-9-soma	1
VF03642	Amortizations and adjustments - Financial investments - Investment in properties	Q05-0510-Nota10-A1506-4-soma	-1

return

---

## B012 - Formula in POC

### Fixed Tangible Assets

Variable name	Variable description	Item in IES	Coefficient
VF03117	Tangible fixed assets	Q04-A0218-3-soma	1
VF03587	Investment in properties	Q05-0510-Nota10-A1489-9-soma	1
VF03642	Amortizations and adjustments - Financial investments - Investment in properties	Q05-0510-Nota10-A1506-4-soma	-1

return

---

## B025 - Formula in POC

### Financial Investments

Variable name	Variable description	Item in IES	Coefficient
VF03140	Financial investments	Q04-A0227-3-soma	1
VF03587	Investment in properties	Q05-0510-Nota10-A1489-9-soma	-1
VF03642	Amortizations and adjustments - Financial investments - Investment in properties	Q05-0510-Nota10-A1506-4-soma	1

return

## B029 - Formula in POC

### Total current assets

	Variable name	Variable description	Coefficient
B032		Current assets - Inventories and biological assets	1
B041		Current assets - Customers	1
B159		Current assets - Remaining current assets	1
B049		Current assets - Cash and bank deposits	1

return

## B032 - Formula in POC

### Current Assets - Inventories and Biological Assets

	Variable name	Variable description	Item in IES	Coefficient
VF03159		Current assets - Inventories	Q04-A0234-3-soma	1

return

## B041 - Formula in POC

### Current Assets - Customers



Variable name	Variable description	Item in IES	Coefficient
VF03162	Assets - Medium and long term debt - Customers (current account)	Q04-A0235-3	1
VF03165	Assets - Medium and long term debt - Customers - Notes receivable	Q04-A0236-3	1
VF03168	Assets - Medium and long term debt - Customers - Doubtful debtors	Q04-A0237-3	1
VF03194	Assets - Short term debt - Customers (current account)	Q04-A0247-3	1
VF03197	Assets - Short term debt - Customers - Notes receivable	Q04-A0248-3	1
VF03200	Assets - Short term debt - Customers - Doubtful debtors	Q04-A0249-3	1
VF03289	Liabilities - Medium and long term debt - Advances from customers	Q04-A0308-1	-1
VF03307	Liabilities - Short term debt - Advances from customers	Q04-A0326-1	-1

return

## B042 - Formula in POC

### Current assets - State and other public entities

Variable name	Variable description	Item in IES	Coefficient
VF03182	Assets - Medium and long term debt - State and other public entities (Net Assets)	Q04-A0243-3	1

Variable name	Variable description	Item in IES	Coefficient
VF03214	Assets - Short term debt - State and other public entities (Net Assets)	Q04-A0255-3	1

return

## B049 - Formula in POC

### Current Assets - Cash and Bank Deposits

Variable name	Variable description	Item in IES	Coefficient
VF05131	Assets - Cash and bank deposits	Q04-A0268-3-soma	1

return

## B060 - Formula in POC

### Equity and Liabilities

Variable name	Variable description	Coefficient
B061	Equity (QS)	1
B080	Liabilities (QS)	1

return

## B061 - Formula in POC

### Equity

Variable name	Variable description	Item in IES	Coefficient
VF03258	Equity - Capital	Q04-A0277-1	1
VF03188	Assets - Medium and long term debt - Subscribed capital	Q04-A0245-3	-1

Variable name	Variable description	Item in IES	Coefficient
VF03220	Assets - Short term debt - Subscribed capital	Q04-A0257-3	-1
VF03261	Equity - Supplementary capital	Q04-A0280-1	1
VF03265	Equity - Reserves- Legal reserves	Q04-A0284-1	1
VF03266	Equity - Reserves- Statutory reserves	Q04-A0285-1	1
VF03267	Equity - Reserves- Contractual reserves	Q04-A0286-1	1
VF03268	Equity - Reserves- Other reserves	Q04-A0287-1	1
VF03269	Equity - Retained earnings	Q04-A0288-1	1
VF03259	Equity - Own shares- Nominal value	Q04-A0278-1	1
VF03260	Equity - Own shares- Discounts and Premiums	Q04-A0279-1	1
VF03262	Equity - Share Premiums	Q04-A0281-1	1
VF03263	Equity - Adjustments to investments in group and associated companies	Q04-A0282-1	1
VF03264	Equity - Revaluation reserves	Q04-A0283-1	1
VF04061	Split of account Accruals and deferrals - Investment subsidies	Q06-A0666	1
VF03270	Equity - Net income	Q04-A0289-1	1
VF03271	Equity - Interim dividends	Q04-A0290-1	1

return

## B074 - Formula in POC

### Interim dividends

Variable name	Variable description	Item in IES	Coefficient
VF03271	Equity - Interim dividends	Q04-A0290-1	1

Variable name	Variable description	Item in IES	Coefficient
---------------	----------------------	-------------	-------------

return

## B080 - Formula in POC

### Liabilities - Total

Variable name	Variable description	Coefficient
B081	Non-current liabilities	1
B089	Current liabilities (QS)	1

return

## B081 - Formula in POC

### Non-current liabilities- Total

	Variable name	Variable description	Coefficient
B085		Non-current liabilities - Obtained funding	1
B160		Non-current liabilities - Remaining non-current liabilities	1
VF03273		Provisions- Provisions for pension liabilities (Q04-A0292-1)	1

return

## B085 - Formula in POC

### Non-current liabilities - Obtained Funding

Variable name	Variable description	Item in IES	Coefficient
VF03277	Liabilities - Medium and long term debt - Bond loans: convertible	Q04-A0296-1	1
VF03278	Liabilities - Medium and long term debt - Bond loans: non-convertible	Q04-A0297-1	1

Variable name	Variable description	Item in IES	Coefficient
VF03279	Liabilities - Medium and long term debt - Participating loans	Q04-A0298-1	1
VF03280	Liabilities - Medium and long term debt - Loans from credit institutions	Q04-A0299-1	1
VF03286	Liabilities - Medium and long term debt - Group companies	Q04-A0305-1	1
VF03287	Liabilities - Medium and long term debt - Affiliate and participating companies	Q04-A0306-1	1
VF03288	Liabilities - Medium and long term debt - Other shareholders (partners)	Q04-A0307-1	1
VF03290	Liabilities - Medium and long term debt - Other loans	Q04-A0309-1	1

return

## B089 - Formula in POC

### Current liabilities - Total

Variable name	Variable description	Coefficient
B093	Current liabilities - Suppliers	1
B161	Current liabilities - Remaining current liabilities	1
VF03295	Liabilities - Short term debt - Bond loans: convertible (Q04-A0314-1)	1
VF03296	Liabilities - Short term debt - Bond loans: non-convertible (Q04-A0315-1)	1
VF03297	Liabilities - Short term debt - Participating loans (Q04-A0316-1)	1
VF03298	Liabilities- Short term debt - Loans from credit institutions (Q04-A0317-1)	1

Variable name	Variable description	Coefficient
VF03304	Liabilities - Short term debt - Group companies (Q04-A0323-1)	1
VF03305	Liabilities - Short term debt - Affiliate and participating companies (Q04-A0324-1)	1
VF03306	Liabilities - Short term debt - Other shareholders (partners) (Q04-A0325-1)	1
VF03308	Liabilities - Short term debt - Other loans (Q04-A0327-1)	1

return

## B093 - Formula in POC

### Current liabilities - Suppliers

Variable name	Variable description	Item in IES	Coefficient
VF05125	Assets - Medium and long term debt - Advances to suppliers	Q04-A0241-3	-1
VF05127	Assets - Short term debt - Advances to suppliers	Q04-A0253-3	-1
VF03282	Liabilities - Medium and long term debt - Suppliers (current account)	Q04-A0301-1	1
VF03283	Liabilities - Medium and long term debt - Suppliers - Trade accounts payable: unchecked invoices	Q04-A0302-1	1
VF03284	Liabilities - Medium and long term debt - Suppliers - Notes payable	Q04-A0303-1	1
VF03300	Liabilities - Short term debt - Suppliers (current account)	Q04-A0319-1	1

Variable name	Variable description	Item in IES	Coefficient
VF03301	Liabilities - Short term debt - Suppliers - Trade accounts payable: unchecked invoices	Q04-A0320-1	1
VF03302	Liabilities - Short term debt - Suppliers - Notes payable	Q04-A0321-1	1

return

## B094 - Formula in POC

### Current liabilities - State and other public entities

Variable name	Variable description	Item in IES	Coefficient
VF03310	Liabilities - Short term debt - State and other public sector institutions	Q04-A0329-1	1
VF03292	Liabilities - Medium and long term debt - State and other public sector institutions	Q04-A0311-1	1

return

## B143 - Formula in POC

### Subscribed capital

Variable name	Variable description	Item in IES	Coefficient
VF03258	Equity - Capital	Q04-A0277-1	1

return

## B158 - Formula in POC

### Non-current assets - Remaining non-current assets

Variable name	Variable description	Item in IES	Coefficient
VF03171	Assets - Medium and long term debt - Group companies	Q04-A0238-3	1
VF03174	Assets - Medium and long term debt - Affiliate and participating companies	Q04-A0239-3	1
VF03177	Assets - Medium and long term debt - Other shareholders (partners)	Q04-A0240-3	1
VF05135	Accruals and deferrals - Deferred tax assets	Q04-A0272-3	1

return

## B159 - Formula in POC

### Current assets - Remaining current assets

Variable name	Variable description	Item in IES	Coefficient
VF03182	Current assets - Medium and long term debt - State and other public sector institutions	Q04-A0243-3	1
VF03214	Assets - Short term debt - State and other public sector institutions	Q04-A0255-3	1
VF05126	Assets - Medium and long term debt - Advances to fixed assets suppliers	Q04-A0242-3	1
VF03185	Assets - Medium and long term debt - Other debtors	Q04-A0244-3	1
VF05128	Assets - Short term debt - Advances to fixed assets suppliers	Q04-A0254-3	1



Variable name	Variable description	Item in IES	Coefficient
VF03217	Assets - Short term debt - Other debtors	Q04-A0256-3	1
VF03244	Assets - negotiable securities	Q04-A0265-3-soma	1
VF05132	Accruals and deferrals - Accrued profits	Q04-A0269-3	1
VF05134	Accruals and Deferrals-Deferred daily adjustments in futures contracts	Q04-A0271-3	1
VF03203	Assets - Short term debt - Group companies	Q04-A0250-3	1
VF03206	Assets - Short term debt - Affiliate and participating companies	Q04-A0251-3	1
VF03209	Assets - Short term debt - Other shareholders (partners)	Q04-A0252-3	1
VF05133	Accruals and deferrals - Deferred costs	Q04-A0270-3	1

return

## B160 - Formula in POC

### Non-current liabilities - Remaining non-current liabilities

Variable name	Variable description	Item in IES	Coefficient
VF03273	Liabilities - Provisions- Provisions for pension liabilities	Q04-A0292-1	-1
VF03276	Liabilities - Provisions - Total	Q04-A0295-1-soma	1
VF03285	Liabilities - Medium and long term debt - Fixed assets suppliers - notes payable	Q04-A0304-1	1

Variable name	Variable description	Item in IES	Coefficient
VF03291	Liabilities - Medium and long term debt - Fixed assets suppliers (current account)	Q04-A0310-1	1
VF03293	Liabilities - Medium and long term debt - Other creditors	Q04-A0312-1	1
VF03315	Accruals and deferrals - Deferred tax liabilities	Q04-A0334-1	1

return

## B161 - Formula in POC

### Current liabilities - Remaining current liabilities

Variable name	Variable description	Item in IES	Coefficient
VF03292	Liabilities - Medium and long term debt - State and other public sector institutions	Q04-A0311-1	1
VF03310	Liabilities - Short term debt - State and other public sector institutions	Q04-A0329-1	1
VF03303	Liabilities - Short term debt - Fixed assets suppliers - Notes payable	Q04-A0322-1	1
VF03309	Liabilities - Short term debt - Fixed assets suppliers (current account)	Q04-A0328-1	1
VF03311	Liabilities - Short term debt - Other creditors	Q04-A0330-1	1
VF03313	Accruals and deferrals - Accrued costs	Q04-A0332-1	1
VF03281	Liabilities - Medium and long term debt - Advances on sales	Q04-A0300-1	1
VF03299	Liabilities - Short Term advances on sales	Q04-A0318-1	1

Variable name	Variable description	Item in IES	Coefficient
VF03314	Accruals and deferrals - Deferred profits	Q04-A0333-1	1
VF04061	Accruals and deferrals - Investment subsidies	Q06-A0666	-1

return

## BL005 - Formula in POC

### Legal reserves

Variable name	Variable description	Item in IES	Coefficient
VF03265	Equity - Reserves - Legal Reserves	Q04-A0284-1	1

return

## BL007 - Formula in POC

### Retained earnings

Variable name	Variable description	Item in IES	Coefficient
VF03269	Equity - Retained earnings	Q04-A0288-1	1

return

## Profit and Loss Statement Variables

### D001 - Formula in POC

#### Turnover

Variable name	Variable description	Item in IES	Coefficient
VF03045	Sales - goods	Q03-A0124-1	1
VF03046	Sales - products	Q03-A0125-1	1
VF03047	Services	Q03-A0126-1	1

return

---

## D002 - Formula in POC

### Sales

Variable name	Variable description	Item in IES	Coefficient
VF05908	Sales	[Q03-A0124-1]+[Q03-A0125-1]	1

return

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## D005 - Formula in POC

### Operating subsidies

Variable name	Variable description	Item in IES	Coefficient
VF03052	Operating subsidies	Q03-A0130-1	1

return

---

## D006 - Formula in POC

### Variation in production

Variable name	Variable description	Item in IES	Coefficient
VF03049	Variation in production	Q03-A0127-2	1

return

---

## D007 - Formula in POC

### Capitalized production

Variable name	Variable description	Item in IES	Coefficient
VF03050	Capitalized production	Q03-A0128-2	1

return

---

## D013 - Formula in POC

### Other incomes - Income from financial assets

Variable name	Variable description	Item in IES	Coefficient
VF03972	Revenues - Interests income	Q05-0545-Nota45-A1439-1	1
VF05206	Revenues - Gains in group and associated companies	Q05-0545-Nota45-A1440-1	1
VF05207	Revenues - Income from equity holdings	Q05-0545-Nota45-A1442-1	1
VF03977	Revenues - Reversals and other financial revenues	Q05-0545-Nota45-A1446-1	1
VF04054	Extraordinary revenues – Disposal of financial investments	Q06-A0659	1

return

---

## D021 - Formula in POC

### Total income

Variable name	Variable description	Coefficient
D001	Turnover	1
D111	Remaining Income	1

return

---

## D025 - Formula in POC

### Costs of goods sold and material consumed

Variable name	Variable description	Item in IES	Coefficient
VF03019	Cost of goods sold and material consumed - Total	Q03-A0102-2	1

return

## D026 - Formula in POC

### Supplies and external services

Variable name	Variable description	Item in IES	Coefficient
VF03020	Supplies and external services	Q03-A0103-2	1

return

## D029 - Formula in POC

### Employee expenses

Variable name	Variable description	Item in IES	Coefficient
VF03021	Employee expenses - Salaries	Q03-A0104-1	1
VF03022	Employee expenses - Pensions	Q03-A0105-1	1
VF03023	Employee expenses - Others	Q03-A0106-1	1

return

## D030 - Formula in POC

### Employee expenses - Salaries

Variable name	Variable description	Item in IES	Coefficient
VF03021	Salaries	Q03-A0104-1	1

return

## D041 - Formula in POC

### Expenses/reversals of depreciations and amortizations

Variable name	Variable description	Item in IES	Coefficient
VF03025	Depreciation of intangible and tangible fixed assets	Q03-A0107-1	1
VF03965	Costs - Amortizations of investment in properties	Q05-0545-Nota45-A1431-1	1

return

## D053 - Formula in POC

### Interest expenses

Variable name	Variable description	Item in IES	Coefficient
VF03964	Interests paid	Q05-0545-Nota45-A1429-1	1

return

## D060 - Formula in POC

### Income tax

Variable name	Variable description	Item in IES	Coefficient
VF03041	Income tax	Q03-A0120-2	1

return

## D062 - Formula in POC

### Total expenses (QS)

	Variable name	Variable description	Coefficient
	Variable name	Variable description	Coefficient
	D025	Costs of goods sold and material consumed	1
	D026	Supplies and external services	1
	D029	Employee expenses	1
	D108	Remaining expenses	1
	D041	Expenses/reversals of depreciations and amortizations	1
	D053	Interest expenses (QS)	1
	D060	Income tax	1

return

## D082 - Formula in POC

### Operating net income

Variable name	Variable description	Coefficient
D001	Turnover	1
D111	Remaining income	1
D112	(Remaining expenses) of which: Impairment losses, changes in fair value and other expenses and losses in fin. invest. and fin. instrum.	1
D013	(Remaining income) of which: income from financial assets	-1
D025	Costs of goods sold and material consumed	-1
D026	Supplies and external services	-1
D029	Employee expenses	-1
D108	Remaining expenses	-1

return

## D084 - Formula in POC

### Earnings before interest, taxes, depreciation and amortization - EBITDA



	Variable name	Variable description	Coefficient
	D001	Turnover	1
	D111	Remaining Income	1
	D025	Costs of goods sold and material consumed	-1
	D026	Supplies and external services	-1
	D029	Employee expenses	-1
	D108	Remaining expenses	-1

return

## D085 - Formula in POC

### Earnings before interest and taxes - EBIT

Variable name	Variable description	Coefficient
D084	Earnings before Interest, Taxes, Depreciation and Amortization - EBITDA	1
D041	Expenses/reversals of depreciations and amortizations	-1

return

## D086 - Formula in POC

### Earnings before taxes - EBT

	Variable name	Variable description	Coefficient
	D085	Earnings before Interest and Tax - EBIT	1
	D053	Interest expenses	-1

return

## D087 - Formula in POC

### Net income

Variable name	Variable description	Coefficient
D086	Earnings before Tax - EBT	1
D060	Income tax	-1

return

## D108 - Formula in POC

### Remaining expenses

Variable name	Variable description	Item in IES	Coefficient
VF03026	Adjustments	Q03-A0108-1	1
VF03034	Depreciation and adjustments of financial fixed assets	Q03-A0114-1	1
VF03055	Reversals of amortizations and adjustments	Q03-A0132-1	-1
VF03965	Costs - Amortizations of investment in properties	Q05-0545-Nota45-A1431-1	-1
VF03027	Provisions	Q03-A0109-1	1
VF03993	Revenues - Provisions decreases	Q05-0546-Nota46-A1463-1	-1
VF03029	Taxes	Q03-A0110-1	1
VF03030	Other operating costs	Q03-A0111-1	1
VF03033	Losses in group and associated companies	Q03-A0113-2	1
VF03035	Interest expenses - relative to group companies	Q03-A0115-1	1
VF03036	Interest expenses - others	Q03-A0116-1	1
VF03039	Extraordinary costs	Q03-A0118-2	1
VF03964	Interests paid	Q05-0545-Nota45-A1429-1	-1

return

## D111 - Formula in POC

### Remaining income

Variable name	Variable description	Item in IES	Coefficient
VF03052	Operating subsidies	Q03-A0130-1	1
VF03049	Variation in production	Q03-A0127-2	1
VF03050	Capitalized production	Q03-A0128-2	1
VF03051	Supplementary income	Q03-A0129-1	1
VF03053	Operating revenues	Q03-A0131-1	1
VF03057	Gains in group and associated companies	Q03-A0134-1	1
VF03058	Income from equity holdings	Q03-A0135-1	1
VF03059	Income from negotiable securities and other financial applications - relative to group companies	Q03-A0136-1	1
VF03060	Income from negotiable securities and other financial applications	Q03-A0137-1	1
VF03061	Interest Income and similar earnings- relative to group companies	Q03-A0138-1	1
VF03062	Interest Income and similar earnings - Others	Q03-A0139-1	1
VF03065	Extraordinary revenues	Q03-A0141-2	1
VF03993	Revenues - Decreases in Provisions	Q05-0546-Nota46-A1463-1	-1

return

## D112 - Formula in POC

(Remaining expenses) of which: Impairment losses, changes in fair value and other expenses and losses in financial investments and financial instruments

Variable name	Variable description	Item in IES	Coefficient
VF05204	Costs - Losses in group and associated companies	Q05-0545-Nota45-A1430-1	1
VF03970	Costs - Other financial costs	Q05-0545-Nota45-A1436-1	1
VF04046	Extraordinary costs – Disposal of financial investments	Q06-A0651	1
VF03966	Costs - Adjustments of financial fixed assets	Q05-0545-Nota45-A1432-1	1

return

## DL002 - Formula in POC

### Other expenses - Cash discounts granted

Variable name	Variable description	Item in IES	Coefficient
VF03968	Costs - Cash discounts granted	Q05-0545-Nota45-A1434-1	1

return

## DL005 - Formula in POC

### Other expenses - Other - Donations

Variable name	Variable description	Item in IES	Coefficient
VF03978	Costs - Donations	Q05-0546-Nota46-A1448-1	1

return

## DL011 - Formula in POC

### Salaries of corporate bodies

Variable name	Variable description	Item in IES	Coefficient
VF04036	Employee expenses - Salaries of corporate bodies	Q06-A0641	1

return

## DL012 - Formula in POC

### Employee Salaries

Variable name	Variable description	Item in IES	Coefficient
VF04037	Employee expenses - Salaries of employees	Q06-A0642	1

return

## DL013 - Formula in POC

### Social security expenses

Variable name	Variable description	Item in IES	Coefficient
VF04040	Employee expenses - Social security expenses	Q06-A0645	1

return

## DL014 - Formula in POC

### Insurance schemes for accidents at work and occupational diseases

Variable name	Variable description	Item in IES	Coefficient
VF04041	Employee expenses - Insurance schemes for accidents at work and occupational diseases	Q06-A0646	1

return

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## DL017 - Formula in POC

### Services

Variable name	Variable description	Item in IES	Coefficient
VF03047	Services	Q03-A0126-1	1

return

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## DL043 - Formula in POC

### Supplementary income

Variable name	Variable description	Item in IES	Coefficient
VF03051	Supplementary income	Q03-A0129-1	1

return

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## DL045 - Formula in POC

### Employee expenses - Other, except salaries

Variable name	Variable description	Item in IES	Coefficient
VF03022	Employee expenses - Pensions	Q03-A0105-1	1
VF03023	Employee expenses - Others	Q03-A0106-1	1

return

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## DL047 - Formula in POC

### Indirect taxes

Variable name	Variable description	Item in IES	Coefficient
VF04032	Indirect Taxes	Q06-A0637	1

return

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