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| Vietnam |
| **GDDS - DQAF View** |
| **National accounts (GDP)** |

GDDSKey\_DQAF

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# H.Header data

# 0. Prerequisites

## 0.2 Resources

### 0.2.1 Staff, facilities, computing resources, and financing (Encouraged)

[Staff, facilities, computing resources, and financing for statistical programs currently available as well as what would be required for programmed statistical outputs.]

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| Earlier, there were 135 statisticians engagingin compilation of SNA indicators, which exclude assistants such as on-sitestatistic collectors, on-site statistic editors, etc, including 35statisticians from SNA Department and other Resource Departments – GSO, and 100 ones from 63 Provincial Statistic Offices (1-2 statisticians per PSO). All these staff have had bachelor of degree and over, and have been trained SNA.However, SNA Department – GSO have been responsible for compiling SNA indicators for the whole country and provinciallevel since 2016. Now, SNA Department and other Resource Department providing data to compile GDP has only 133 statisticians engaging in compilation of SNA indicators, and the other SNA provincial statisticians will only provide required inputs for the compilation in GSO. All SNA Department staff have had bachelor of degree and over. Most of them need to be trained more SNA 2008. In order to fulfill the task, it is necessary to provide more staff.For equipment facilities, a statistician has beenequipped one computer. Internet and LAN-network of GSO have served well for itsstaff in the work as transferring and receiving data within GSO and between GSOand other ministers and bodies. The compilation of SNA has been computed mainlyby Excel and there has been no professional software for compilation andanalysis of SNA. Now, the soft-wares for GDP and GDP compilation are available.Other facilities such as room, light system, telephones, etc have been providedwell.The regular finance for compilation of SNA includingsalary and allowances, electricity, water, stationery, etc is funded by statebudget |

# 2. Methodology

## 2.1 Concepts and definitions

### 2.1.1 Concepts and definitions (Required)

[Degree to which the overall structure of concepts and definitions follows internationally accepted standards, guidelines, or good practices.]

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| Concepts, definitions, contents, methodology all comply with SNA 1993 and some are updated by SNA 2008. In order to consist concepts, definitions, methodology and data sources in the whole country, GSO has compiled and published some handbooks on 1993 SNA methodology. GSO has researched and applied SNA 2008 changes into the handbook on 2008 SNA methodology which was published in the early 2018.However, in practice, there are some definitions and concepts inconsistent with the standard of SNA 2008. For instance, establishment is not used as statistic unit in statistics of industry, construction, trade and services; the ration of fixed assets increasing in year over capital is used to estimate capital formation which means that the compilation has just used capital method but not increase/decrease method; definitions of capital and public debt shortage of price index for some service activities are still inconsistent. |

## 2.2 Scope

### 2.2.1 Scope (Required)

#### 2.2.1.1 Scope of the data

[Scope of the data.]

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| The scope of national account statistics covers all integrated accounts in SNA 1993. The integrated indicators and accounts in SNA, which had been compiled and published, including (i) GDP by industry at constant price and current price, by production approach and expenditure approach by quarterly; (ii) indicators reflecting the use of GDP include: final consumption of households and government; gross capital formation (fixed assets and change inventories); export and import for goods and services; (iii) indicators reflecting the distribution and redistribution of GDP such as: gross national income, national income, national disposable income, received and paid for property incomes, current transfers, capital transfer, saving; (iv) accounts in SNA covers: production account, generation and distribution of income account, capital and financial account (part A), rest of the world account; (v) Input Output tables for 1989, 1996, 2000, 2007, 2012, updated 2016; (vi) Supple and use tables compiled for 2000, 2007and updated for 2010, 2012, 2016. |

#### 2.2.1.2 Exceptions to coverage

[Exceptions to coverage.]

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| Information of labors working abroad and non-resident labors in Vietnam, operation of international bodies and organizations into Vietnam, which provided for SNA compilation, are not available |

#### 2.2.1.3 Unrecorded activity

[Unrecorded activity.]

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| Some illegal activities (smuggling, prostitution, drugs, etc) are not covered. |

## 2.3 Classification/sectorization

### 2.3.1 Classification/sectorization (Required as relevant to data category)

[Broad consistency of classification/sectorization systems used with internationally accepted standards, guidelines, or good practices.]

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| The system of the industrial classifications used in the national account in Vietnam is set up in accordance with the International Standard Industrial Classifications. The current industrial classification covering 4-digit level has been progmulated in 1993 by the government (namely Vietnam Standard Industrial Classification 1993 – VSIC 1993) and is being replaced by VSIC 2018, which is progmulated in the Decree No 27/2018/QD-TTg on 6th July 2018.The main product classification system, which is used in Vietnam from 1996, is based on the international central product classification (CPC); and in 2010 it is being changed into Vietnam standard product classification, which is based on the classification of products by activities (CPA). In 2018, it was updated based on VSIC 2018 so the new CPC in Vietnam is progmulated on 6th July 2018 in the Decree No 43/2018/QD-TTg. |

## 2.4 Basis for recording

### 2.4.1 Valuation (Required as relevant to data category)

[Types of prices (market, historical, administrative, basic, purchasers’, producer, etc.) used to value flows and stocks.]

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| Output is measured at basic prices; final consumption expenditure is measured at purchasers’ price. Gross fixed capital formation is valued at purchasers’ price. |

### 2.4.2 Recording basis (Required as relevant to data category)

[Degree to which recording meets requirements for accrual accounting.]

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| Transactions are recorded on method of ownership transfer basis; Activity is recorded at the time they are produced. Government transactions are recorded on a cash basis. The monetary unit for the reporting of data is the Vietnamese Dong. The reporting period is the calendar year for annual data and calendar quarter for quarterly data. |

### 2.4.3 Grossing/netting procedures (Encouraged)

[Broad consistency of grossing/netting procedures with internationally accepted standards, guidelines, or good practices.]

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# 3. Accuracy and reliability

## 3.1 Source data

### 3.1.1 Source data collection programs (Required)

[Comprehensiveness of source data from administrative and survey data collection programs, and appropriateness of the collection modality for country-specific conditions.]

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| Source data are collected from statistical survey in the National statistical survey programme; periodic report and administrative records by Ministry.Production ApproachCurrent price estimates are derived using a combination of administrative records (accounting reports provided Ministry of Finance), benchmark sample survey data and regular survey data.Estimates for state-owned enterprises are derived using data from accounting reports and result annual enterprises survey.For foreign investment enterprises, the data are derived from annual enterprises surveys and data on annual accounting report, conducted by the provincial statistical offices. Annual surveys of private enterprises, joint stock enterprises, those of non-agriculture; forestry and fishing household business are based on annual sample surveys is conducted by the GSO. The sample is based on the census of administrative units and economic entities in 2012, the economic census 2017For industries funded by stated budget such as state management, health, education, culture and sport, science and technology, the compilation is based on general reports on regular expenditures of relevant bodies or collected from Treasure of Ministry of Finance. Some parts activities of these industries which were engaged by private sectors are resulted from surveys For mining and quarrying; electricity, gas, and water the data (for production enterprises) are derived using data from accounting financial reporting (accounting reports provided Ministry of Finance). For household businesses, data are derived and compiled from statistical surveys applicable to household businesses: the survey of household businesses in sectors other than agriculture, forestry, and fishery, which is conducted on the first of October every year. For construction, estimates are based on financial returns of FDIs, official financial statements of state-owned enterprises, and through sample surveys of private enterprises and households and investment survey. For other industries, estimates are based on a combination of sample surveys of private enterprises, surveys of cultivation area, productivity, and output, surveys of livestock raising, surveys of fishery production conducted annually by GSO, and from financial records provided by government agencies such as the Ministry of Planning and Investment, The Ministry of Finance, and The State Bank of Vietnam.Expenditure ApproachThe GSO estimates all components of GDP by type of expenditure.Government final consumption expenditure is estimated using final and official administrative data on government expenditure available at the Ministry of Finance. Private final consumption expenditure is estimated using a combination of data: estimated retail sales turnover; production and use of agricultural products; household living standards survey. Gross fixed capital formation is estimated using data from state-owned enterprises, from reports of Ministry of Finance (gross capital formation at the administrative sector under the management of the State), FDIs and a sample survey of enterprises and households and investment survey. Data on changes in inventories are derived from administrative records of state-owned enterprises, sample survey of private enterprises and household businesses, and balancing tables of agricultural production and use. Exports and imports of goods and services are derived from the balance of payments estimates. Imports of goods and services are adjusted for unrecorded cross border trade. |

### 3.1.2 Source data definitions, scope, sectorization, classifications, valuation, and time of recording (Encouraged)

[Degree to which source data approximate definitions, scope, sectorization, classifications, valuation, and time of recording required (as described in 2.1.1-2.4.3).]

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| Source data definitions, scope, classifications, valuation and time of recording are basically complied with SNA. However, some basic definitions are not completely applied in enterprise surveys, i.e., statistics unit in the survey is separately accounting enterprises but not establishment of enterprises. |

### 3.1.3 Source data timeliness (Encouraged)

[Source data timeliness relative to what is required for producing statistical outputs whose timeliness meets applicable data standard (SDDS requirements or GDDS recommendations).]

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| Source data timeliness is assigned in survey plan and periodic statistics report regime |

## 3.2 Assessment of source data

### 3.2.1 Source data assessment (Encouraged)

[Routine assessment of source data—including censuses, sample surveys, and administrative records (e.g., for coverage, sample error, response error, and nonsampling error); whether assessment results are monitored; how results are used to guide statistical processes.]

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| Data of statistics survey are not valuated and checked regularly |

## 3.3 Statistical techniques

### 3.3.1 Source data statistical techniques (Required as relevant to data category)

[Statistical techniques in data compilation to deal with data sources (e.g., to align them with target concepts from 2.1.1).]

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| **Production approach** Agriculture; Forestry; and Fishing: the gross output (GO), intermediate consumption (IC), and added value (VA) of enterprises are estimated based on data from the official accounting reports submitted by enterprise to the GSO and results of annual enterprises survey. For households, these indicators are estimated based on outputs, average price and intermediate consumption coefficient provided by Agriculture, Forestry and Fishing statistics department. GO at constant price is estimated by multiplying output at reported year with unit price at constant year; IC at constant price is also calculated by the price index of inputs components.Mining and quarrying, manufacturing, electricity, gas, steam and air conditioning supply, water supply, sewerage, waste management and remediation activities: The GO, IC, and VA of enterprises are estimated based on data from the official accounting reports submitted by enterprises to the GSO and results of annual enterprises survey, as well as statistic reports of ministries and reports from government agencies related to tax and finance. For non-agriculture; forestry and fishing household business these indicators are calculated based on annual sample surveys. GO at constant price is estimated by deflating GO at current price based on production coefficient by kinds of economic activity; IC at constant price is estimated by deflating IC at current price based on the price index of inputs by kinds of IC.Construction: GO, IC and VA are estimated from the annual accounting reports submitted by state-owned and FDI enterprises to the GSO and sample surveys for private enterprises; from government budget reports and reports of own-account construction activities (for example, construction of houses by households) and from results of invested capital survey of construction activities. Constant price estimates are built by using deflation method of the price index of building materials group.Wholesale and retail trade, repair of motor vehicles and motorcycles: Estimates of GO, IC and VA are based on annual accounting reports, enterprise and private business survey, sample survey about retail sales of goods and services. Moreover coefficients of IC and VA over GO by economic activities and sectors in periodic surveys of national account compilation, and input output table surveys; and the overall consumer price index, goods producer index and consumer price index of repair of motor vehicles and motorcycles are also used to calculate the constant price estimates.Accommodation and food services activities: Estimates are based on annual accounting reports submitted by state-owned and FDI enterprises to the GSO; For private enterprises, the data are derived from sample surveys. For hotels, using accommodation price index to calculate the constant price; for restaurants, using food service price index to calculate the constant price.Transportation and storage: Estimates are based on annual accounting reports of enterprises, annual enterprise survey, periodic statistic surveys by non-state enterprise and household business units operating transportation and storage activities and periodic surveys for compiling the national accounts. For household business unit, data are collected from sample survey. Constant price estimates are derived by single deflation using transportation price index.Information and communication: Estimates are based on annual enterprise survey, household business survey, the consumer price index survey, periodic survey of national account compilation; establishment and administrative Census… Constant price estimates are derived by deflation using producer price index by information and communication group.Financial, banking and insurance activity: For banking and insurance activites, GO is compiled based on the data derived from the quarterly service survey; the annual enterprise survey, the report on credit balance, capital mobilization balance and average interest rate by quarter and year of the State Bank of Vietnam; the financial report of some credit agencies. For the insurance and other finacial activities, the data derived from the annual enterprise survey, the financial reports by insurance and stock enterprises and the Ministry of Finance also. The IC coefficient is compiled and aggregated from the IC survey. Constant price estimates are derived by single deflation using production price index by group and the CPI.Real estate activities: data are derived from the annual accounting reports; annual enterprise survey, non-agriculture; forestry and fishing household business survey and economic establishment and administrative Census. For owned – occupied dwellings, data is estimated using depreciation method. The constant price for owned – occupied dwellings is derived by deflation using CPI-Housing and material for repair, the constant price for Real estate activities is estimated by using PPI for Real estate activities.Professional, scientific and technical activities: data are derived from economic establishment and administrative Census; household business survey; frequent expenditure reports of professional, scientific and technical activities from Stage budget; periodic surveys for compiling the national accounts. The constant price is estimated by deflation using PPI-Service by group.Administrative and support service activities: data are derived from annual accounting reports, annual enterprise survey, non-agriculture; forestry and fishing household business survey, periodic surveys for compiling the national accounts, establishment and administrative Census as well as reports of specialized agencies. The constant price is estimated by deflation using PPI-Service by group.Communist party, socio-political organizations activities; public administration and defense, compulsory and security: data are derived from frequent expenditure of Stage budget, annual finance reports of the Finance and other Ministries and centralized financial reports units. The constant price is estimated by deflation using PPI-Service by group.Education; human health and social work activities; arts, entertainment and recreation: Data are derived from expenditure of stage budget in annual finance report of the Finance Ministry. For expenditure of out of stage budget, data is collected from annual enterprise survey, household business survey and periodic surveys for compiling the national accounts. The constant price is estimated by deflation using PPI-Service by group.Other service activities and activities of households as employers, undifferentiated goods and services - producing activities of households for own use: data are derived from the household living standards survey and non-agriculture; forestry and fishing household business survey as well as general statistic reports. The constant price is estimated by deflation using PPI-Service of the activities of households as employers of domestic personnel.**Expenditure Approach**Government final consumption expenditure is estimated using final and official administrative data on government expenditure available at the Ministry of Finance. Household final consumption expenditure is estimated using data on retail trade turnover (from the GSO survey of retail trade establishments), balance of agricultural production and use, and data of household living standards survey. Gross fixed asset formation is estimated using data from periodic reports, annual accounting reports of state-owned enterprises, FDI and non-state enterprise survey, private construction of household survey.Current asset formation is estimated using data collected from annual accounting reports of state-owned enterprises, FDI and reports from statistic offices; non-state enterprise survey, balance account table of agricultural products, inventory indicators.Exports and imports of goods and services are derived from the balance of payments records. The GSO adjusts the estimates of imports of goods and services to take account of unrecorded cross border trade. The adjustment is based on a survey of cross-border trade conducted in 1993.**Reconciliation**GDP by type of economic activity is considered the most accurate measure. The discrepancy between the production approach and the expenditure approach is presented in the errors and omissions item of the Balance of Gross Domestic production and use of the Vietnam National Accounts. |

### 3.3.2 Other statistical procedures (Required as relevant to data category)

[Statistical techniques employed in other statistical procedures (e.g., data adjustments and transformations, and statistical analysis).]

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| Data for 2004-2011 by VISIC 1993 is changed into VISIC 2007; Applied estimation techniques and compiled indexes; carrying out the revision of GDP for the period 2010-2020; still do not adjust data by seasons. |

## 3.4 Data validation

### 3.4.1 Validation of intermediate results (Encouraged)

[Assessment and investigation of statistical discrepancies in intermediate data.]

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| Intermediate data are collected according to information sources specified in the Statistical Law |

### 3.4.2 Assessment of intermediate data (Encouraged)

[Assessment and investigation of statistical discrepancies in intermediate data.]

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| Implemented to compare data sources for compiling SNA indicators with other separate data sources, but not regularly |

### 3.4.3 Assessment of discrepancies and other problems in statistical outputs (Encouraged)

[Investigation of statistical discrepancies and other potential indicators of problems in statistical outputs.]

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| The difference between GDP indicator made by locals and centers is being improved when the GSO directly participates in compiling process |

## 3.5 Revision studies

### 3.5.1 Revision studies and analyses (Encouraged)

[Periodicity with which studies and analyses of revisions and/or updates are carried out; whether and how they are used internally to inform statistical processes (see also 4.3.3).]

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# 4. Serviceability

## 4.1 Periodicity and timeliness

### 4.1.1 Periodicity (Required)

[Periodicity of statistical outputs relative to applicable dissemination standard (SDDS requirement or GDDS recommendation).]

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| The data are aggregated and compiled by quarter and year with 3 times: estimated, preliminary and official. |

### 4.1.2 Timeliness (Required)

[Timeliness of statistical outputs relative to applicable dissemination standard (SDDS requirement or GDDS recommendation).]

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| Quarterly: First estimates are released on 29th of the last month of the reference quarter. Revised estimates are released on 29th of the last month of the next quarter. Annual: First estimates are released in September of the reference year. Revised estimates are released in the last month of the reference year. Formal estimates are released at the end of the following year. |

## 4.2 Consistency

### 4.2.1 Internal consistency (Required as relevant to data category)

[Consistency of statistics within the dataset.]

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| The GSO publishes details of gross output, intermediate consumption and value added at the one-digit level of the VSIC 2018. The data are also presented by type of ownership (economic sector) for each industry. All indicators by income approach are also published by type of ownership (economic sector) and industry group. |

### 4.2.2 Temporal consistency (Encouraged)

[Consistency or reconcilability of statistics over a reasonable period of time.]

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| The base year for estimates was 1994 before 2010. Since 2010, the base year has been changed to 2010. The revising data has been done by the chance for the period 2004-2010.There are no seasonal data adjustments. |

### 4.2.3 Intersectoral and cross-domain consistency (Encouraged)

[Consistency or reconcilability of statistics with those obtained through other data sources and/or statistical frameworks.]

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## 4.3 Revision

### 4.3.1 Revision and/or update schedule (Required)

[Transparency and regularity of revision/update schedule.]

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### 4.3.2 Identification of preliminary and/or revised/updated data (Required)

[Identification of preliminary and/or revised/updated data.]

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| The General Statistics OfficePreliminary/estimated data are recorded in Statistic Law 2015 (item 16, 17 Article 3). |

### 4.3.3 Dissemination of revision studies and analyses (Encouraged)

[Dissemination of revision studies and analyses (see also 3.5.1).]

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| The process of revision GDP scale was prescribed in the 2021 Amended Statistics Law and the Decree No. 94/2022/ND-CP about the content of statistical indicators under the national statistical indicator system and the process of compiling GDP and GRDP indicators |

# 5. Accessibility

## 5.1 Data

### 5.1.1 Statistical presentation (Required)

[Statistics are presented in a way that facilitates proper interpretation and meaningful comparisons (layout and clarity of text, tables, and charts).]

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| SNA data are presented in hard -copy (report, electronic data, statistical yearbook, publication….), CD-room, website, internet.Data are presented in clarity of text, table, charts, etc; published by time series; and covered explanation for definition and methodology. |

### 5.1.2 Dissemination media and format (Required)

#### 5.1.2.1 Hard copy - New release

[Hard copy - New release.]

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#### 5.1.2.2 Hard copy - Weekly bulletin

[Hard copy - Weekly bulletin.]

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#### 5.1.2.3 Hard copy - Monthly Bulletin

[Hard copy - Monthly Bulletin.]

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#### 5.1.2.4 Hard copy - Quarterly bulletin

[Hard copy - Quarterly bulletin.]

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#### 5.1.2.5 Hard copy - Other

[Hard copy - Other.]

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| *The Vietnam Economy - 1990 to 2000. GSO, Published in Vietnamese and English.**National Accounts Statistical Data, 1995-2000, GSO. Published in Vietnamese and English.**Handbook on the Vietnamese System of National Accounts (1998, revised 2003), GSO. Published in Vietnamese and English.**Compilation Methodology for the National Accounts System in Vietnam in Quarter, GSO. Published in Vietnamese and English.**Compilation Methodology for Quarterly National Accounts in Vietnam, (2018) GSO. Published in Vietnamese and English.* *Statistical Yearbook, GSO. Published in Vietnamese and English.* |

#### 5.1.2.6 Electronic - On-line bulletin or data

[Electronic - On-line bulletin or data.]

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| GSO website: [http://www.gso.govvn](http://www.gso.gov.vn/) |

#### 5.1.2.7 Electronic - Other

[Electronic - Other.]

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### 5.1.5 Dissemination on request (Encouraged)

[Dissemination on request of unpublished but non-confidential statistics.]

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## 5.2 Metadata

### 5.2.1 Dissemination of documentation on concepts, scope, classifications, basis of recording, data sources, and statistical techniques (Required)

[Dissemination of documentation on concepts, scope, classifications, basis of recording, data sources, and statistical techniques, including annotation of differences from internationally accepted standards, guidelines.]

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| The methodology of compiling national account in Vietnam is presented in the Handbook on Sources and Methods of the Vietnam System of National Accounts (VSNA) published in 1998 which was revised and supplemented for the first time in 2003, and then currently updated and presented in the book of compiled methodology of system national account in Vietnam published in 2018. |

# 9. Plans

## 9.1 Recent

### 9.1.1 Plans for improvement - Recent improvements

[Plans for improvement - Recent improvements.]

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| - The GSO has carried out the revision of GDP and GRDP scale for the period 2010-2020- The GSO has compiled and publised GRDP by new scale for the period 2010-2020- The GSO also carried out the project of compiling Non observed economy- Institutional sector classifications- Currently plan to change the base year to 2020 |

## 9.2 General

### 9.2.1 Plans for improvement - Short-term

[Plans for improvement - Short-term.]

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| - Plan to conduct the survey of IC coefficient and compiling the I-O table for the year 2021- Conducting continuously the Non-Observed Economy Statistics Project- Compiling some accounts by institutional sector- Change the based year to 2020- Compiling and officially publishing GRDP for provinces and cities in quarter and year.- Compiling and officially publishing the GRDP for provinces and cites for the preriod 2010-2020- Applying information technology in compiling national account data- Researching and making plan to compile data on the Informal sectors and the Non-Observed Economy for Vietnam |

### 9.2.2 Plans for improvement - Medium-term

[Plans for improvement - Medium-term.]

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| - Apply some changes in SNA 2008 compared with SNA 2003 to the work of national account.- Doing research about seasonal adjustment in national account activities.- Use information technology in compiling national account figures data.- Calculating GDP by income approach. |

## 9.3 Financial

### 9.3.1 Plans for improvement - TA/financing needs - Short-term

[Plans for improvement - TA/financing needs - Short-term.]

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| - Short term assistance for national accounts technicians. - IMF technical assistance in national accounts statistics and in institutional sectors.- Assistance in the improvement of the scope of GDP compilation (formal activities, underground activities, preparation of SUT table). |

### 9.3.2 Plans for improvement - TA/financing needs - Medium-term

[Plans for improvement - TA/financing needs - Medium-term.]

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| - Training of staff in charge of National Accounts and individual industry statistics on international statistical standards.- Seeking donors providing financial assistance for the GSO. |

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