

Statistical Product–Public Debt (quarterly)

Processes	Sub-processes	Sub-process description
1 Specify needs		
	1.1 Identify needs	<p>The main users of statistical information are the state government and local self-government bodies, public, scientific-educational, financial organisations, business society, mass media, international organisations, etc.</p> <p>Indicators allow analyzing and evaluating the country's fiscal policy, internal and external debt indicators, as well as government debt guarantees and service indices.</p>
	1.2 Consult & confirm needs	<p>As RA Ministry of Finance is considered the source of information and serves as an administrative register, the clarifications, consultations and working discussions related to the information provision are carried out with the representatives of relevant units of the RA Ministry of Finance.</p>
	1.3 Establish output objectives	<p>To provide users in a complete and systemized way statistical information on financial organizations sector.</p>
	1.4 Identify concepts	<p>Public debt is the sum of debt obligations conferred on behalf of the Republic of Armenia and the RA Central Bank (hereinafter Central Bank) (except for debt obligations of the Central Bank to the residents) and existing as of certain moment.</p> <p>Government debt is the sum of debt obligations conferred by the RA Governemnt (hereinafter Government) and existing as of certain moment.</p> <p>Central Bank’s debt is the sum of obligations conferred by the Central Bank to non-residents and foreign countries and existing as of the certain moment.</p> <p>Internal public debt is the sum of obligations conferred on</p>

		<p>behalf of the Republic of Armenia by the authorized body of the Government for residents of Armenia on the basis of loan or credit agreements.</p> <p>External public debt is the sum of debt obligations conferred on behalf of the Republic of Armenia and Central Bank to non-residents of the Republic of Armenia and foreign countries.</p> <p>State guarantee is the obligation of the Government to the lenders and creditors (budget guarantee) existing as of certain moment, as well as the obligation of the Central Bank for non-resident lenders and creditors to repay fully or partially the amounts subject to payment by resident lenders and creditors of the Republic of Armenia in case of not paying by them in the defined timelines.</p> <p>Debt service is payment of interest amounts, commissions, fines and penalties and other fees envisaged by the loan or credit agreement.</p>
	1.5 Check data availability	<p>Data is collected based on RA Law on "Official Statistics" and the "Five-Year Statistical Program".</p> <p>References on internal and external debts provided to Armstat from RA Ministry of Finance which serves as an administrative register, are considered as source of information.</p>
	1.6 Prepare business case	<p>The Armstat Financial Statistics Division carries out preparation works of series of indicators on internal and external debt provided by the RA Ministry of Finance.</p>
2.Design		
	2.1 Design outputs	<p>The data are collected based on the Law on "Official Statistics" and "Five Year Statistical Program", as well as the Resolution No. 05-N of RA State Council on Statistics "On Approval of the Procedure for the collection of statistical data" dated 20 June 2016 and Resolution "On Approval of Annual Statistical Program".</p>
	2.2 Design variable descriptions	

	2.3. Design collection	Public debt data collection is carried out by the Armstat on the request of the reference on the external and internal public debt submitted to the RA Ministry of Finance. It includes the following indicators: <ul style="list-style-type: none"> • RA Government debt • Internal public debt • External public debt • RA Central Bank debt
	2.4 Design frame and sample	
	2.5 Design processing and analysis	The reference on public debt is developed by the Armstat Finance Statistics Division, which also develops a series of indicators and their classification. Based on that information, the Armstat compiles a series of indicators and calculates the rates for the previous periods.
	2.6 Design production systems and workflow	
3. Build		
	3.1 Build collection instrument	Both paper and electronic resources are available for references submitted by RA Ministry of Finance on monthly and quarterly public debt, based on which the necessary data processing and compilation works are carried out.
	3.2 Build or enhance process components	
	3.3 Build or enhance dissemination components	The dissemination of data is possible both in paper and electronic forms with the publication of data on monthly and quarterly basis, in accordance with the Annual Statistical Program.
	3.4 Configure workflows	The derivation of statistical product is carried out by the following successive stages: <ol style="list-style-type: none"> 1. Collection of data, 2. Checks and adjustments,

		<ol style="list-style-type: none"> 3. Data input and processing work (Microsoft Office Access and Excel softwares), 4. Comparison of obtained summary data with the corresponding time series, 5. Dissemination of data in both paper and electronic forms through the yearbooks, data reports, statistical handbooks, as well as through the official response letters to the official requests
	3.5 Test production system	The indicators provided on public debt are regularly subject to appropriate changes based on methodological changes and revisions.
	3.6 Test statistical business production	
	3.7 Finalize production system	The composition of methodological clarifications on the completion of indicators and provision to the statistical data providers (respondents) is carried out. The consents with data providers achieved on indicators during work discussions are summarized.
4.Collection		

	4.1 Create frame and select sample	
	4.2. Set up collection	As the source of statistical information is the RA Ministry of Finance, as an administrative register, thereby the RA Statistical Committee submits an application claim for the required indicators on public debt. For the purpose of data collection methodological explanations for data presentation, discussions, as well as the preparation and collection of the series of indicators necessary for their publication is carried out.
	4.3 Run collection	Statistical data collection is carried out by the Armstat Finance Statistics Division by mail and electronic system means, according to the Resolution of RA State Council on Statistics No 05-N on the “Approval of the Procedure of the collection of Statistical Data” dated 20 June 2016.
	4.4 Finalize collection	The collected information on public debt, after being arithmetically and logically cross-checked, is input in the electronic environment. The input of data is carried out by Microsoft Office Word and Excel softwares.
<i>5.Process</i>		
	5.1 Integrate data	The relevant information received from RA Ministry of Finance is unified in a single joint database as a result of which duplications are excluded.
	5.2 Classify and code	The monthly reference on public debt is processed and classified as follows: RA public debt including Eexternal debt including RA Government debt RA Central Bank debt Internal debt including

		<p>Public bonds purchased by RA residents,</p> <p>The acquisition by RA residents of foreign currency bonds,</p> <p>Loans and borrowings</p> <p>Internal guarantees</p> <p>The quarterly reference on public debts is processed and compiled as follows:</p> <ul style="list-style-type: none"> Internal public debt, Government bond structure, The structure of government bonds in circulation, External public debt by creditors.
	5.3. Review and validate	Verifications of presented information are made. Monthly and quarterly data is revised and adjusted on the basis of reference submitted by the RA Ministry of Finance in the next month or quarter.
	5.4 Edit and impute	The missing data is completed in accordance with reference provided by RA Ministry Finance. The completed data is subject to adjustment in case of being available for the next periods.
	5.5 Derive new variables and units	Additional calculations and estimations for the calculation of other indicators are not available.
	5.6 Calculate weights	
	5.7 Calculate aggregates	The summary data by separate statistical indicators are derived based on the input data through the pre-designed software.
	5.8 Finalize data files	Often basing on the necessity of retrieving operative statistical data, calculation of preliminary indicators is carried out based on preliminary information which is subject to further adjustment.
<i>Analysis</i>		
	6.1. Prepare draft outputs	Creation and groupings of time series of statistical indicators are carried out based on received references for presentation of summary information and creation of

		indicator time series.
	6.2 Validate outputs	The methodological requirements of the derived indicators are strictly followed during the whole process of derivation in accordance with the pre-defined classifications and methodological guidelines.
	6.3 Interpret and explain of outputs	The logical analysis of the derived summary indicators is made taking into account the impact of various phenomena taking place in the economy on the given sphere.
	6.4 Apply disclosure control	The confidentiality of statistical indicators (not containing individual (personal) data) that is subject to publication, as well as requested by the users of statistical information is strictly followed according to the Law on Official Statistics and the Resolution of the SCS No 53 " Approval of the Order on Protection of Statistical Confidentiality" dated 25 June 2001, and only summarized data are provided (see: https://www.armstat.am/file/doc/99454478.pdf).
	6.5 Finalize outputs	Before the dissemination of aggregated data, analysis of the aggregated indicators is made according to their time series.
<i>Dissemination</i>		
	7.1 Update output system	The work on the derivation and final checking of relevant tables of statistical indicators that are subject to publication, as well as the time series update are implemented. In case of the need the changes and/ or additions are made in the concepts and methodological explanations of the relevant indicator.
	7.2 Produce dissemination products	All production steps for dissemination products are carried out; preparation of explanation text, tables, figures and other materials, editing of that products and their conformity to publication standards. The data on monetary intermediation system is published in Armenian, Russian, English through the yearbooks, statistical handbooks and monthly data reports:

		<ol style="list-style-type: none"> 1. "Statistical Yearbook of Armenia" (annual) 2. "Financial Statistics of RA" (annual) 3. "The Socio-Economic Situation of the Republic of Armenia" monthly information report <p>Electronic versions are available on official web-page of Armstat:</p> <p>http://armstat.am/am/?nid=45,</p> <p>http://armstatbank.am/Selection.aspx?rxid=002cc9e9-1bc8-4ae6-aaa3-40c0e377450a&px_db=ArmStatbank&px_type=PX&px_language=hy&px_tableid=ArmStatbank%5c1+Economy+and+finance%5c14+Government+Finances%5c20-fin-2014.px</p> <p>and publications at http://armstat.am/am/?nid=82</p>
	7.3 Manage release of dissemination products	The dissemination of statistical data is carried out according to the schedule envisaged by the Five-Year and Annual Statistical Programs of Armstat. In case of the changes and adjustments the indicators already published by Armstat are also being changed and adjusted correspondingly.
	7.4 Promote dissemination products	Submission of dissemination products. Use of tools to manage communication with users. Use of website, Facebook, etc. (not available in Armenian)
	7.5 Manage user support	In case of the official request of the users of statistical data related to the data not being published, the calculation of additional indicators is carried out at possible extent and submitted to them at the same time following the principle of statistical data confidentiality.
<i>Evaluation</i>		
	8.1 Gather evaluation input	If necessary, the results of summary quarterly indicators on public debt are compared with monthly indicators.
	8.2 Conduct evaluation	The comparisons of indicators, derived from the same source, are made from the prospective of the quality management of statistical indicators on public debt.
	8.3 Agree an action	In the case of detection of discrepancies between the data

	plan	received from different sources on the same indicator being compared, the possible reasons are revealed, and the corresponding final adjustment made based on it.
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