



SIERRA LEONE

October 2022

TECHNICAL ASSISTANCE REPORT—NATIONAL ACCOUNTS STATISTICS MISSION

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TECHNICAL ASSISTANCE REPORT

SIERRA LEONE

National Accounts Statistics

APRIL 2022

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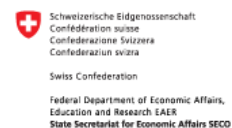


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Glossary

AFW2	AFRITAC West 2 Regional Technical Assistance Center
AESE	Annual Economic Survey of Enterprises
BSL	Bank of Sierra Leone
BoP	Balance of Payment
CPI	Consumer Price Index
FCE	Final Consumption Expenditures
FISIM	Financial Intermediation Services Indirectly Measured
GDP	Gross Domestic Product
GDP(E)	Gross Domestic Product by expenditure approach
GDP(P)	Gross Domestic Product by production approach
GFCF	Gross Fixed Capital Formation
GG	General Government
GVA	Gross Value Added
HFCE	Household financial consumption expenditure
IMF	International Monetary Fund
ISIC Rev.4	Industrial Standard Industry Classification Revision 4
NASSIT	National Social Security and Insurance Trust
NATCOM	National Communication Authorities
NPISH	Nonprofit Institutions Serving Households
NRA	National Revenue Authority
RA	Regional Advisor
SLANGO	Sierra Leone Association Non-Governmental Organization
SLIHS	Sierra Leone Integrated Household survey
SLICOM	Sierra Leone Insurance Commission
STATS SL	Statistics Sierra Leone
SUT	Supply and Use Tables
2008 SNA	<i>System of National Accounts 2008</i>
TA	Technical Assistance

SUMMARY OF MISSION OUTCOMES AND PRIORITY RECOMMENDATIONS

1. **A technical assistance (TA) mission was conducted during April 4–29, 2022, to support Statistics Sierra Leone (Stats SL) in improving national accounts statistics for decision making.** Reliable national accounts are essential for informed economic policy-making by the authorities. They also provide the private sector, foreign investors, rating agencies, and the public in general with important inputs in their decision-making, while informing economic analysis and IMF surveillance. The mission was conducted in a hybrid way. Three mission days were on-site, and the rest was conducted remotely using the WebEx application during the period of April 4–29, 2022.
2. **The main purpose of this TA mission was to assist Stats SL with the rebasing of the annual national accounts ensuring international best practices are applied.** Regular rebasing is essential to ensure that gross domestic product (GDP) volume estimates remain relevant. The base year of the actual GDP estimates is the year 2006. The new base will be the year 2018. Stats SL aims at approaching the rebasing by adopting the SUT framework and implementing the *System of National Accounts 2008 (2008 SNA)* as well as the latest international classifications of economic activities and products.
3. **The mission reviewed the progress with the acquisition of administrative data for areas not covered by the Annual Economic Survey of Enterprises (AESE).** No further progress was made since the last mission, and administrative data from the National Revenue Authority (NRA), the National Communication Authorities (NATCOM), Sierra Leone Insurance Commission (SLICOM) and Sierra Leone Association Non-Governmental Organization (SLANGO) were still outstanding. Stats SL should follow up on these institutions to obtain the required information.
4. **The key output of this mission was to complete the analysis and classifications by products of the AESE national accounts indicators for the GDP rebasing and the supply and use tables (SUT).** The mission has worked with the National Accounts Unit (NAU) to compile the output and intermediate consumption matrices from AESE as well as to develop the bridge tables for the indicators from areas not covered by AESE. Mapping of the data to the Classification of Products by Activity (CPA) was completed by the NAU. Stats SL should continue with the mapping of other components of SUT such as final consumption expenditures (FCE) and gross fixed capital formation (GFCF).
5. **The mission provided training on the national accounts team to build capacities in the compilation of national accounts and especially on SUT.** Increasing staff capacities and number of human resources is important to further progress on national accounts compilation. Extensive training sessions were provided to the team on the classifications, SUT spreadsheets compilation and tools to be used for manual and automatic balancing.

6. The overall timetable for the GDP rebasing project has been discussed with Stats SL. No changes were made to the overall deadline for the GDP rebasing. The results of the rebasing should be published at the end of December 2022. However, this deadline will be at risk due to new censuses and surveys that Stats SL is planning to undertake in the second half of 2022 and outstanding administrative data. The GDP rebasing should be a high priority despite new commitments and Stats SL should put all efforts to meet the target date of December 2022 to complete it. Stats SL should not further delay the completion of the GDP rebasing process as the rebased estimates of GDP will provide a more accurate reflection of the Sierra Leonean economy and will improve the compliance of the national accounts estimates with the System of National Accounts 2008 methodology.

Table 1. Sierra Leone: Priority Recommendations

Target Date	Priority Recommendation	Responsible Institutions
June 2022	<i>Work with relevant institutions to obtain the required administrative data for GDP rebasing</i>	STATS SL
June 2022	<i>Complete the product classification for other SUT components (FCE, GFCF)</i>	STATS SL

Further details on the priority recommendations and the related actions/milestones can be found in the action plan under *Detailed Technical Assessment and Recommendations*.

SOURCE DATA AND GDP COMPILATION

A. Rebasing of National Accounts

7. The structure and size of the economy have changed since 2006—the current base year of the national accounts in Sierra Leone. Rebasing the national accounts is a key priority for Stats SL. The staff at Stats SL are keen to carry out a rebasing exercise through the SUT framework to ensure that the national accounts remain up-to-date and are aligned with the latest international standards such as the *2008 SNA*, the *ISIC Rev 4*, and the *CPA 2008*.

8. The Supply and Use Tables (SUT) framework will be used in the rebasing of GDP. The dimensions of the SUT were agreed and the first version of the SUT spreadsheet for compiling the rebasing were developed during a previous mission. For rebasing, a square table of 114 industries and 114 products have been agreed and localized as SLSIC¹ and SLCPA.² Classifications, correspondences between classifications, and SUT components were further explained to the national accounts staff during this mission.

¹ SLSIC – Sierra Leone Standard Industrial Classification.

² SLCPA – Sierra Leone Classification of Products by Activity.

9. Progress was achieved on the classification of output and intermediate consumption (IC) of the industries covered by AESE according to SLCPA. The AESE collected detailed information of the products and services produced by the Sierra Leonean enterprises as well as data on input costs. The supplementary AESE data that provide detailed information for populating the output and IC matrices in the SUT have been further analyzed and updated after the completion of the AESE results.

10. The mission worked closely with NAU to complete the classification of the output and intermediate consumption by products. Matrices of Output and IC were compiled at “CPA 6-digit x ISIC 4-digit levels” and aggregated to SUT SLCPA products level and SLISIC industry level. However, there are few elements of Intermediate Consumption have a mix of products and needs further breakdown to fit on SUT products codes. Financial statements (details on expenditures) from National Revenue Authority (NRA) should be investigated for further breakdown and improvement of the IC results by products.

11. The AESE data will be used to estimate the trade margins rates by products. Detailed information on sales and purchases of goods for resale by products are collected by AESE. The data have been analyzed and mapping of the data by CPA commenced during the mission. The trade margin rates of the base year (2018) will be applied on the IC, the household final consumption expenditures (HFCE), the gross fixed capital formation (GFCF), and the exports by products. Stats SL should complete the classification of trade data by products.

12. Agricultural sector estimates were discussed during the mission. Stats SL was initially planning to conduct an Agriculture Census during the first quarter of 2022 and the data was expected to be used for the current GDP rebasing. The mission was informed that the agriculture census has been postponed until the end of 2022 and the results will not be available until mid-2023. Under these circumstances, Stats SL should investigate the availability of other data sources from the Ministry of Agriculture (MoA) and the Sierra Leone Integrated Household Survey (SLIHS) for the agriculture 2018 base year estimates. The agriculture census results will be incorporated in the next GDP rebasing exercise.

13. Mapping of the agriculture data to SLCPA was completed. While the compilation of new agriculture base year estimates will depend on the new data from MoA and SLIHS, the mission worked with the team to complete the classification of agriculture data on production and inputs costs by CPA. Once the new agriculture estimates (base year 2018) are compiled, the data will be mapped to the classification prepared in advance.

14. Gross fixed capital formation (GFCF) estimates by type of asset and industry are compiled based on the AESE data. The AESE survey has collected information on fixed assets for the base year 2018. However, this data does not cover all economic sectors. Therefore, the data on fixed assets of buildings and other construction work will be compared against the volume of production of construction activities. The machinery and equipment estimates will be checked against the imports data on capital goods as there is no indication of domestic production for these assets in Sierra Leone. The bridge tables for mapping the import data to Broad Economic

Classification (BEC) are available. Stats SL should complete the compilations of imports of goods by BEC as these data will be used for comparative analyses of the imported goods' shares for intermediate consumption, household final consumption and gross fixed capital formation.

15. The classification of HFCE data according to the SLCPA should be completed. The expenditures elements of HFCE are classified by using the Classification of Individual Consumption According to Purpose (COICOP) 2018. A bridge table between COICOP 2018 and CPA 2008 was developed during the last mission by using the correspondence tables COICOP 2018-CPA 2 and CPA 2-CPA 2008, and the HFCE data were mapped to the CPA 2008 classification. The team should complete the estimates and mapping of the other elements of HFCE for the goods produced and consumed by the same household.

16. The mission carried out a review of progress on administrative data sources which are the key data source for producing GDP benchmark estimates and the implementation of the 2008 SNA. The administrative data from the National Revenue Authority (NRA), the National Communication Authorities (NATCOM), the Sierra Leone Insurance Commission (SLICOM), and the Sierra Leone Association Non-Governmental Organization (SLANGO) were still outstanding. Stats SL should follow up on these issues to receive all the required information.

17. The National Accounts Unit (NAU) needs to build its capacities in data analysis and compilation of national accounts. Increasing staff capacities and the number of human resources is important to further progress on national accounts compilation. The NAU is currently understaffed, there are only three staff who produce the Annual National Accounts and are working with the GDP rebasing. The rebasing would require at least two additional full-time equivalent staff in the NAU. The mission provided extended training to enhance staff capacity on the national accounts concepts and SUT compilations. Ongoing training and extra resources are needed to increase staff capacities and to meet the deadline of the GDP rebasing. In the absence of extra resources working groups should be established within Stats SL to assist the NAU in better managing the workload especially on the collection of data required from other units for the compilation of the SUT. The collaboration from other Stats SL units at this stage is crucial to support NAU with data, classifications and IT.

18. The SUT spreadsheets for compiling final rebased GDP estimates were further explained and updated during the mission. A system was designed in which data were stored in databases and national accounts compilations are taken place in spreadsheet structures. Data will be loaded into these structures from database records. Further data manipulations (such as balancing) will be done directly in this structure. A manual and an automatic SUT balancing tool developed by the IMF have been explained to the team. The SUT spreadsheets, including documentations with instructions on each worksheet and balancing steps were provided to the Stats SL during this mission. National Accountants should further read the manuals/guidance on how these tools work and to navigate on the SUT tool spreadsheets for a better understanding and practicing on the tools.

19. The overall timetable for the GDP rebasing project has been discussed with Stats SL. The mission met with Stats SL's Statistician General (SG) to discuss the progress and risks of the GDP rebasing project, the memorandum of understanding with NRA, the new censuses and surveys, and

some human resource issues. No changes were made to the overall deadline for the GDP rebasing and the results of the rebasing should be published at the end of December 2022. However, this deadline will be at risk due to new censuses and surveys that Stats SL is planning to undertake in the second half of 2022. The GDP rebasing should be a high priority despite new commitments and Stats SL should put all efforts to meet the target date of December 2022 to complete it.

20. Comprehensive and updated national accounts are essential for evidence-based policy making. The current base year 2006 of the Sierra Leone GDP needs to be updated to incorporate recent structural changes. In addition, rebasing is essential to ensure that volume GDP estimates remain relevant. Since volume GDP is referenced to the base year 2006, over time relative prices in the base year become progressively less relevant. Stats SL should not further delay the completion of the GDP rebasing process as the rebased estimates of GDP will provide a more accurate reflection of the Sierra Leonean economy and will improve the compliance of the national accounts estimates with the *System of National Accounts 2008* methodology.

21. Stats SL has reconfirmed plans that several surveys and censuses will be undertaken in Sierra Leone in the next couple of years under the World Bank project “Harmonizing and Improving Statistics in West Africa” (HISWA). After completing the Mid-term Population Census (MPC) 2021, Stats SL is doing preparatory work on the census of enterprises that is expected to be conducted in July 2022. The agriculture census has been postponed to the end of 2022. In addition, a Labour Force Survey (LFS) is planned for 2022, while an AESE and SLIHS in 2023. These censuses and surveys will be key source data for the next GDP rebasing exercise as Stats SL should follow best practice by rebasing national accounts every five years. Stats SL should think strategically when the surveys and censuses will be conducted to collect comprehensive information for the reference period that will be used as the base year for the next GDP rebasing.

22. The next mission will continue with the rebasing process. The next stages will cover completion of national accounts aggregates, populating the SUT spreadsheet, and providing training to increase staff capacities.

Recommended actions

- Stats SL to complete HFCE estimates.
- Stats SL to complete the product classification for the remaining SUT components.
- Stats SL to work with relevant institutions to obtain the required administrative data for the GDP rebasing.

DETAILED TECHNICAL ASSESSMENT AND RECOMMENDATIONS

Table 2. Sierra Leone: Detailed Work Plan

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
Outcome 1: Data are compiled using the framework, concepts and definitions of the System of National Accounts 2008.					
Action 1: Development of the Business Register which is Up to Date and Well Maintained					
	Establish a working group to monitor progress in the development of the business register	Working group will guide the development and make recommendations on various issues that will arise	Jun 2019	Jun 2019	Completed: The Stats SL and NRA have established a working group. NRA business register is collected each year.
	Use the results of the Economic Census to develop the initial Stats SL Business Register and harmonize with the NRA taxpayer list as well as other key registers.	Harmonized business lists are established.	Mar 2018	Sep 2017	Completed: 2017/3/29 The Stats SL has cleaned and merged the register with the NRA taxpayer list.
	Agreed and signed Memorandum of Understanding (MoU) between key stakeholders	MoU is signed and updated accordingly	Original: Jun 2019 Revised Dec 2021		In progress. 4/20: MoUs have been signed with Bank of Sierra Leone (BSL), Ministry of Trade, Ministry of Agriculture and Forestry (MAF), Ministry of Labour and Social Security, and National Commission for Social Action. 4/21: The MoU with the NRA is still pending. 4/22: The MoU issue was discussed with SG and will be followed by him.

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
	Identification of the requirements for the business register – identification, classifications, etc.	Requirements are clearly identified and documented including rationale	Mar 2018	Sep 2017	Completed.
	Establish statistical business register maintenance rules	Maintenance rules are clearly identified and documented including rationale	Original: Jun 2019 Revised Dec 2021		Update: 4/20: This is planned – will meet to agree rules
	Identify the systems requirements for the establishment and maintenance of the statistical business register	Systems requirements clearly identified and documented including rationale	Original: Jun 2019 Revised Dec 2021	Apr 2020	Completed: 4/20: This will be raised with the SG as it will require resources
	Launch of The Sierra Leone Statistical Business Register	The LSBR is available to draw sample frames for economic surveys	Original: Jun 2019	Apr 2020	Completed: 4/20: This will be raised with senior management. 4/21 Stats SL is planning to conduct another Business Census in 2022 with the WB project.
Action 2: Annual National Accounts – GDP by Production in Current and Constant Prices					
	Maintain and build the capacity of the NAU staff.	Staff resources are commensurate with workload. Documentation and training (including materials) are available to build capacity of staff.	Ongoing	Ongoing	In progress: Staff numbers in the NAS are considered insufficient for the project. New recruits will be required when the economic survey commences. 4/22: Staff numbers in the NAS are considered insufficient for the project. Training and documentations are provided to the staff to increase their capacities.

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
	Phase 1 Establishment Census is undertaken so that a sample for the economic survey can be extracted.	Business List of all formal establishments is created	Aug 2016	Sep 2016	Started: May 2016 Completed.
	Produce a plan to establish a new set of GDP benchmark estimates for the year 2018.	Plan accepted by all stakeholders.	May 2017	Jan 2019	Started: February 2017 Completed: The plan was reviewed and updated in Jan 2019 mission – actual completion date revised.
	Phase 2 AESE: Sample design is extracted from the business list	A sample frame for the economic survey, including the weights, is extracted	Apr 2017	Mar 2019	Completed: 4/20: Sample based on Stats SL business register combined with NRA list completed.
	Phase 2 AESE: Survey Instrument design	Survey instruments are designed	Mar 2019	Dec 2019	Completed: Survey forms were finalized and used for data collection
	Phase 2 AESE: Data collection	Data are collected from the field with the assistance of enumerators	Jan 2020	Jan 2020	Completed: 4/20: Survey data collection was carried out Dec 19 – Jan 20.
	Phase 2 AESE: Data entry and processing	Survey data are entered into the IT system and data processing edits are carried out to ensure a clean data set for compilation	May 2020	Oct 2021	Completed: 4/20: Majority of data was captured and processed – awaiting final contributors which are being chased up. 9/20: Still some key contributor missing 4/21: The AESE results for the main economic is completed and a report is drafted.
	Phase 2 AESE: Data compilation	The data are compiled to estimate gross value	Jun 2020 Revised		In progress

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
		added (GVA). This will include grossing up the data to reflect the total population Data produced to match SUT dimensions	Jan 2022		4/20: Data was processed and will be finalized once data of outstanding contributors are available 9/20: Progress was made with data analyses and grossing up of the results. Next step is the finalization of the AESE results. 4/21: Further progress was made on the analyses of AESE national accounts indicators and supplementary data for SUT purposes. Next step to complete the classification by product. 4/2022: Classification of AESE data by products are completed for most of the components.
	Development of a strategy for the ongoing production of annual GDP(P) estimates in line with international best practices by evaluating the available and sustainable data sources.	An annual GDP(P) estimation strategy is prepared with an analysis of the various data sources and a data collection program identified.	Apr 2020	Apr 2020	Completed: 4/20: Stats SL now plan to collect a cut-down version of the AESE each year as well as publish quarterly GDP. 4/21: Plans for an annual AESE is postponed due to covid and will

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
					<p>resume in 2022. Stats SL should explore tax data for their use in ongoing production of Annual GDP and development of quarterly GDP. The finalization of MoU between NRA and Stats SL will facilitate the data sharing for their use on the compilations of national accounts. 4/22: The same situation as above. New AESE will be in 2023, therefore tax data will be used for ongoing production of years without AESE.</p>
	<p>An estimate for the Informal sector is applied to the formal sector to ensure complete coverage.</p>	<p>A factor for the informal sector is derived using the results of the SLIHS and the method is documented.</p>	<p>Oct 2020</p>		<p>In progress. This will now be based on SLIHS data. 4.21: This component will be developed under the D4D IMF project. The first mission was conducted in February 2021 to produce the employment and remuneration matrices. The informal employment estimates will be generated from the employment matrix.</p>

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
	Data sources and methods for estimating GVA for the Agriculture sector using MAF and SLIHS data are reviewed and updated	Data incorporated into spreadsheets and documentation updated.	Oct 2020 Revised Jun 2022		In progress. 4/20: Data sourced and being analyzed 10/21: a census of agriculture is planning to be conducted in 2022. These census data will be used for the rebasing. 4/22: Agriculture Census is postponed at the end of 2022. Therefore, the MoA and SLIHS data will be investigated for producing new base year agriculture estimates.
	Data sources and methods for estimating GVA for the fishing sector using Ministry of Fisheries and Maritime Resources (MFMR) and SLISHS data are reviewed and updated	Data incorporated into spreadsheets and documentation updated.	Oct 2020 Revised Jun 2022		In progress. 4/20: Data sourced and being analyzed 4/22: Agriculture Census is postponed at the end of 2022. Therefore, the MoA and SLIHS data will be investigated for producing new base year agriculture estimates.
	Data sources and methods for estimating GVA for the mining sector using National Minerals Agency (NMA) data are reviewed and updated	Data incorporated into spreadsheets and documentation updated.	Oct 2020 Revised Jun 2022		In progress. 4/20: Data sourced and being analyzed 4/22: mining data are available from

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
					NMA. However, data on inputs costs are needed and could be available only from financial statements that these mining enterprises submit to NRA.
	Data sources and methods for estimating GVA for the electricity sector using National Power Authority (NPA), Bo Kenema Power Service (BKPS) and Electricity Distribution and Supply Authority (EDSA) are reviewed and updated	Data incorporated into spreadsheets and documentation updated.	Oct 2020 Revised Jun 2022		Not yet started. 4/22: Excel templates with data requirement from these institutions are sent out and need to be followed up by Stats SL.
	Data sources and methods for estimating GVA for the water sector using Guma Valley Water Company (GVWC) and Sierra Leone Water Company (SALWACO) data are reviewed and updated	Data incorporated into spreadsheets and documentation updated.	Oct 2020 Revised Jun 2022		Not yet started. 4/22: Excel templates with data requirement from these institutions are sent out and need to be followed up by Stats SL.
	Data sources and methods for estimating GVA for the accommodation sector using National Tourist Board (NTB) data are reviewed and updated	Data incorporated into spreadsheets and documentation updated.	Oct 2020 Revised Jun 2022		Not yet started.
	Data sources and methods for estimating GVA for the transport sector using Ministry of Transport and Aviation (MTA) data are reviewed and updated	Data incorporated into spreadsheets and documentation updated.	Oct 2020 Revised Jun 2022		Not yet started.
	Figures from the BSL should be obtained to calculate Financial Intermediation Services Indirectly Measured (FISIM).	Data incorporated into spreadsheets and documentation updated.	Oct 2020		Started. 1/29/2020 January 2020: A template with the required data to

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
					<p>estimate FISIM was created and discussed with BSL.</p> <p>9/20: No data have been provided yet</p> <p>4/21: Some aggregated data on banking sector were provided from BSL for year 2020. Still outstanding data for 2018–2019.</p> <p>10/21: BSL data incorporated into spreadsheets, methods identified, and estimates for output banking sector are compiled. Additional data are expected from BSL for FISIM 2018 and intermediate consumption estimates.</p>
	<p>The estimates for insurance from Sierra Leone Insurance Commission (SLICOM) should be brought into line with the 2008 SNA methodology.</p>	<p>Data incorporated into spreadsheets and documentation updated.</p>	<p>Oct 2020 Revised Jun 2022</p>		<p>Started. 4/02/2020</p> <p>January 2020: A template with the required data to estimate insurance was created and discussed with SLICOM.</p> <p>9/20: No data have been provided yet</p> <p>4/21: No data have been provided yet</p> <p>4/22: No data have been</p>

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
					provided yet. Stats SL should follow up on it.
	Data sources and methods for estimating gross value added (GVA) for the Public Administration, Health and Education sectors are reviewed and updated	Data incorporated into spreadsheets and documentation updated.	Oct 2020		Started. 4/02/2020 January 2020: A review of data for general government data was made. AESE data will be used for private Education and Health. 4/22: Government data are available at detailed level for years 2020 and on. The same information should be asked also for years 2018–2019.
	Estimate for owner occupied dwellings using the SLIHS and Population Census	Data incorporated into spreadsheets and documentation updated.	Oct 2020		In progress 4/20: Data was produced from SLIHS – being analyzed 4/21: SLIHS 2018 and Census 2015 source data were reviewed, and methods were explained for the services owner-occupied dwellings estimates. 4/22. No further progress is made on it.
	Data sources and methods for estimating gross value added (GVA) for the gambling sector from the Sierra Leone State Lottery Company (SLSLC) are reviewed and updated	Data incorporated into spreadsheets and documentation updated.	Oct 2020		Not yet started.

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
	Revised estimates for taxes less subsidies from Ministry of Finance (MoF) on production and imports	Data incorporated into spreadsheets and documentation updated.	Oct 2020		Not yet started.
	Rework the annual GDP(P) estimates backwards at both current and constant prices from 2001 to 2018.	Revised estimates are published. Changes in data sources and methodology are documented.	Oct 2021 Revised Nov 2022		In progress 4/20: Established the basis of current GDP breakdown on ISIC Rev 3 basis and will revised back to 2001.
	Implement a regular program of annual establishment AESE surveys in line with international best practice. Implementation of a strategy for the ongoing production of annual GDP(P) estimates in line with international best practices by evaluating the available and sustainable data sources. Maintain and build the capacity of the NAU staff.	GDP(P) estimates are disseminated incorporating the results of the rebase exercise and updated data sources and methodologies for other sectors. Documentation is also disseminated. Staff resources are commensurate with workload. Documentation and training (including materials) are available to build capacity of staff.	Oct 2020 Ongoing	Ongoing	In progress 4/20: Stats SL are planning to carry forward the AESE as an annual survey for GDP and rebasing 4/21: plans for an ongoing AESE have been postponed to 2023 due to Covid situation. 4/22: Next AESE will be in 2023 Staff numbers in the NAU are considered insufficient for the project. New recruits will be required when the rebasing commences. 4/22: Training and documentations are provided to the staff to increase their capacities.

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
Action 3: Annual National Accounts – GDP by Expenditure in Current and Constant Prices					
	Produce estimates for HFCE.	SLIHS 2018 data analyzed and used for GDP compilation. COICOP 2018 data mapping to SUT products available. Documentation updated.	Oct 2020		In progress 4/20: The SLIHS 2018 was completed, and results converted to COICOP for review. 4/21: COICOP classification is completed. Additional information is required to complete the HFCE estimates into the national accounts concepts. 10/21: mapping of HFCE to SLCPA started. 4/22: the HFCE estimates and classification yet to be completed.
	Produce estimates of consumption expenditure for NPISH using data from Sierra Leone Association of Non-Government Organizations (SLANGO)	Data collected and converted to national accounts requirements. Documentation updated	Oct 2020		In progress: 4/20: Stats SL are reviewing the best methods for compiling data for NPISH 10/21: no data are received yet from SLANGO 4/22: no data are received yet from SLANGO.
	Revised estimates for central government expenditure through collaborating with the MoF.	Data incorporated into spreadsheets and documentation updated.	Oct 2020		Not yet started.
	Revised estimates for gross fixed capital formation (GFCF) using AESE and Foreign Trade data	Data incorporated into spreadsheets and documentation updated.	Oct 2020		In progress. GFCF estimates from AESE are compiled. Foreign trade data to be classified by BEC classification.

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
	Revised estimates for imports and exports.	Data incorporated into spreadsheets via mapping to SUT products and documentation updated.	Oct 2020		In progress 4/20: Data are available, and mapping needs to be developed 10/21: Export and import data have been reviewed and mapped to CPA. Next step to incorporate the data to SUT spreadsheets.
	Compile GDP estimates from the expenditure approach, in line with best international practice.	Revised estimates and documentation are disseminated.	Oct 2020		Not yet started.
Action 4: Annual National Accounts – GDP by Income in Current Prices					
	Investigate the feasibility of estimating GDP by income on an ongoing basis	Data sources are identified; methodologies are developed, and data are disseminated. Documentation is prepared.	Oct 2020		In progress 4/20: Options for measuring GDP by income approach reviewed framework established
Action 5: Annual National Accounts – Supply and Use Tables					
	Establish the SUT framework	Industry and product classifications are developed. Documentation is prepared.	Apr 2020	Apr 2020	Completed 4/20: SUT
	Agree the dimensions for the SUT framework	SUT dimensions for industries and products are documented and agreed.	Apr 2020	Apr 2020	Completed 4/20: SUT dimensions agreed as 114 x114
	Design SUT spreadsheet for rebasing exercise	Spreadsheet is available for SUT compilation Documentation is prepared	Oct 2020	Apr 2022	Completed: 4/20: SUT spreadsheet first draft produced and provided to Stats SL. 4/21: training on the SUT spreadsheet and

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
					components were provided to the team. 4/22: updated SUT spreadsheets, documentations and training was provided to Stats SL team.
	Produce documentation for how the SUT spreadsheet works	Documentation is available	Oct 2020	Apr 202	Completed: 4/20: first draft of documentation produced as a PowerPoint slide pack 4/22: updated SUT spreadsheets, documentations and training was provided to Stats SL team.
	Develop plan for rebase of Annual National Accounts (ANA) with base year 2018.	Plan is agreed with stakeholders.	Apr 2020	Apr 2020	Completed: 4/20: Project plan was fully populated with dates
	Develop correspondence tables for converting data sources used in SUT framework	Correspondence tables are available	Oct 2020		In progress 4/20: COICOP mapping produced 10/21: COICOP to CPA, HS to CPA, BPM6 to CPA mapping are produced; Bridge tables of COFOG and COPNI to CPA yet to be developed
	Research other sources for potential use in SUT rebasing	Evidence based recommendations are produced	Oct 2020		In progress 4/20: Potential sources have been documented for review
	Populate the unbalanced SUT – detail below	All data are available (i.e., from actions 2-4	Dec 2020		Not yet started.

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	Compile domestic output matrix, SLCPA x SLSIC for 2018.	Preliminary domestic output matrix.	Dec 2020 Revised Dec 2021		In progress: 4/21: the classification of AESE output data according to CPA has started. 4/22: Output matrix from AESE and agriculture data is completed.
	Compile imports and exports of goods by SLCPA for 2018.	Import and export of goods by CPA	Dec 2020 Revised Dec 2021		In progress: 10/21: Imports and exports of goods by CPA are compiled. Data to be incorporated to SUT.
	Compile imports and exports of services by SLCPA for 2018.	Import and export of services by CPA.	Dec 2020 Revised Dec 2021		In progress: 10/21: Imports and exports of services based on <i>BMP6</i> are mapped to CPA for 2018. A further review will be for the components which belongs to more than one CPA code.
	Compile wholesale and retail trade margins by SLCPA for 2018.	Vectors of wholesale and retail trade by CPA	Dec 2020 Revised Jan 2022		In Progress: 4/22: AESE data on sales and purchases of goods for resale have been analyzed. Next step to classify data by products.
	Allocation of taxes and subsidies on products by SLCPA for 2018.	Vectors of taxes and subsidies on products by CPA	Dec 2020 Revised Feb 2022		Not yet started.
	Compile HFCE by SLCPA for 2018	Data on HFCE by the CPA classification.	Dec 2020 Revised Dec 2021		In progress: 10/21: HFCE data mapping to CPA has started. Still need to be compiled the HFCE estimates

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					for own-accounts consumption, SOOD, FISIM and insurance to be completed and mapped. 4/22: the same situation as above.
	Compile NPISH data by SLCPA from 2018	Data on NPISH final consumption expenditure by the CPA classification.	Dec 2020 Revised Feb 2022		Not yet started.
	Compile Government Final Consumption Expenditure (GFCE) by SLCPA for 2018	Data on GFCE by the CPA classification.	Dec 2020 Revised Feb 2022		Not yet started.
	Compile GFCF by SLCPA for 2018	Data on GFCF by the CPA classification.	Dec 2020 Revised Feb 2022		In progress: 4/22: the classification of GFCF data from AESE started
	Compile intermediate consumption matrices, SLCPA by SLSIC for 2018	Intermediate consumption matrix on CPC x ISIC basis	Dec 2020 Revised Dec 2021		In progress: 4/22: The IC matrix from AESE data is compiled. However, some additional work is needed to split some products that belong to more than one product code classifications. Financial statement data will help to improve the IC matrix.
	Compile unbalanced tax and trade margin matrices by SLCPA for 2018.	The tables are available.	Dec 2020 Revised Feb 2022 Revised Jun 2022		Not yet started.
	Balancing SUT 2018 starts.	Data are available for balancing	Apr 2021 Revised May 2022 Revised Jul 2022		Not yet started.

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
	Review of the SLIHS and adjustment of the data to correspond to HFCE	Review is made.	Apr 2021 Revised May 2022		Not yet started.
	Review intermediate consumption patterns and make adjustments	Review is made	Apr 2021 Revised May 2022		Not yet started.
	Review other transactions and make adjustments	Review is made	Apr 2021 Revised May 2022		Not yet started.
	Review adjustments for SUTs to balance the tables	Adjustments data are available	Apr 2021 Revised May 2022		Not yet started.
	Compilation of production accounts by industry at current prices for 2001–2018	Current price series are available.	Oct 2021 Revised Sep 2022 Revised Nov 2022		Not yet started.
	Compilation of production accounts by industry at constant prices for 2001–2018.	Revised volume series are available.	Oct 2021 Revised Sep 2022 Revised Nov 2022		Not yet started.
	Price indices have been preliminarily collected to be used for developing the measurement of GDP volume by utilizing the SUT framework.	Results are available.	Oct 2021 Revised Sep 2022		Not yet started.
	Analysis of key data for 2001–2018: outputs by industry, foreign trade and main aggregates of intermediate consumption.	Analysis is made.	Oct 2021 Revised Sep 2022		Not yet started.
	Preliminary balancing of SUT for 2018 at current prices.	Results are available.	Dec 2021 Revised Nov 2022		Not yet started.
	Compilation and balancing of a complete SUT for 2018.	SUT 2018 produced, and ratios are logical	Mar 2022 Revised Dec 2022		Not yet started.
	Compilation of GDP for 2001–2018 at current and constant prices	Results are available.	Mar 2022 Revised Dec 2022		Not yet started.
	Backcasting GDP time series for 2001–2018.	Results are available.	Mar 2022 Revised Dec 2022		Not yet started.

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
Action 6: Annual National Accounts—Provision of Training in Rebasing and SUT Compilation					
	Maintain and build the capacity of the NAU	Staff resources are commensurate with workload. Documentation and training available to build capacity of staff.	Ongoing	Ongoing	Ongoing 9/20: Training on data analyses, treatment of non-responses, concepts and methods of national accounts aggregates compilations was provided. 4/21: training on national accounts aggregates and SUT was provided. 10/21: training on financial sector, classification and SUT was provided. 4/22: Extensive training on SUT spreadsheets and tools was provided to Stats SL team.
Outcome 2: Higher frequency data has been compiled and disseminated internally and/or to the public (DQAF 4.1.1)					
Action 1: Quarterly National Accounts (QNA)—GDP by Production in Current and Constant Price					
	Regular collection of monthly Goods and Services Tax (GST) data.	Data are supplied to Stats SL.	Oct 2020		In progress 4/20: Stats SL has met with NRA on collecting monthly GST data 4/22: A MoU signed between Stats SL and NRA is crucial for obtaining monthly GST data
	GST data (and other tax data) are industry coded on the NRA system	All tax data are industry coded to ISIC Rev. 4	Original: Mar 2018 Revised; Oct 2020 Revised; Jul 2022		Started: 3/29/2017 In progress 4/20: Stats SL has met with NRA to inform them that

Priority	Action/Milestone	Risk Assumptions/Verifiable Indicators	Target Completion Date	Actual Completion Date	Implementation Status
					they should start using ISIC Rev 4 – this will be implemented in their new ITAS system.
	Regular collection of quarterly data for agriculture.	Data are supplied to Stats SL.	Oct 2020 Revised Jan 2013		In progress: 4/20: Stats SL will use new template which includes quarterly data
	Investigate available sub-annual indicators to establish their suitability for the compilation of quarterly GDP estimates for sectors not in GST scope.	Documented findings and decision on feasibility of compiling QNA estimates.	Mar 2021		In progress Templates have been updated to collect quarterly data – further work needed on other areas
	Develop methodologies and techniques for compiling quarterly national accounts (QNA).	Methodologies are documented.	Mar 2021 Revised Mar 2023		Not yet started.
	Training in specific QNA methodologies.	Staff trained in QNA compilation.	Mar 2021		Not yet started.
Action 2: Quarterly National Accounts—Provision of Training in QNA Compilation					
	Staff of NAU to be continually trained on improving methodology, data collection	Staff trained in QNA compilation.	Mar 2021		In progress: 4/20: The process of capacity building has started on this.

B. Officials Met During the Mission

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