

**16th Meeting of the Advisory Expert Group on National Accounts,
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Agenda item: 6.2

**An Assessment Framework to Measure Alignment with the International
Economic Statistical Standards¹**

The international community has developed several statistical economic statistical guidance such as the System of National Accounts (SNA), the Balance of Payments Manual (BPM), and the Government Finance Statistics Manual (GSFM) to assist countries in developing internationally consistent macroeconomic statistics. One important feature of these statistical standards is their ability to facilitate the comparison of estimates across countries. For users to be confident when making these cross-country comparisons, they need some assurance that the countries they are comparing have implemented these standards consistently. However, for several reasons, when countries use an international economic statistical standard to compile macroeconomic statistics, a certain degree of choice, freedom and variation can be taken in implementing the recommendations. This results in varying degrees of ‘alignment’ to the statistical standards across countries. This guidance note (GN) proposes an alignment framework that countries can use to assess the alignment of their national economic statistics to international standards. The framework is structured around the key building blocks of the statistical standards – concepts, accounting rules, methods, classifications, and the resulting accounts and / or tables that are produced and published.

SECTION I: INTRODUCTION

- 1. The degree of alignment with international economic statistical guidance provides two important signals to users.** First, it provides information about the quality of cross-country comparisons, and second, it signals to users the extent to which major revisions should be expected in the future, in cases where an economy is out of compliance with the international guidance. An additional benefit is that the information provided helps producers of statistics identify areas for improvement, prioritize resources, and formulate strategic plans among others.
- 2. Currently, alignment with international economic statistical guidance is somewhat arbitrary and self-imposed.** That is, each country declares whether it is compliant or non-compliant. With the launch of the updates to the *System of National Accounts, 2008 (2008 SNA)* and the *Balance of Payments and International Investment Position Manual, 6th Edition (BPM6)*,

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it is important to move away from this arbitrary approach. The next update of international economic statistical guidance should include a set of international frameworks that provide structured, systematic, and consistent methods to measure an economy's alignment to international economic statistical guidance.

3. In the context of the update of the 2008 SNA and BPM6, it is an opportune time to consider the guidance provided to national authorities regarding the way they communicate their alignment to statistical standards to users. An internationally adopted framework that presents a country's alignment to a standard would assist users by allowing cross-country comparisons and anticipate the likely size and extent of future updates to macroeconomic statistics. While such a framework could take many different forms, this GN proposes three alignment framework – for the SNA, GFS, and BOP domains - that are structured around the key building blocks of statistical guidance – concepts, accounting rules, methods, classifications, and the resulting accounts and / or tables that are produced and published.

4. This guidance note contains two parts: (i) three proposed frameworks that countries can use to assess their alignment to the concepts, methods, accounting rules, classifications, and accounts/tables associated with a given international economic statistical guidance; and (ii) a means to present and communicate this information to users in a standardized manner.

SECTION II: EXISTING MATERIAL

5. This guidance note draws upon several existing frameworks already developed by international organizations. The components of the proposed assessment framework are based primarily on the IMF's Data Quality assessment Framework (DQAF) and the United Nations National Accounts Questionnaire (UN-NAQ).² The IMF's DQAF provides a framework for qualitative self - assessments (among other types) of an economy's national accounts statistics. Although the DQAF outlines six elements³, the CMTT's proposed framework centers primarily on the methodological soundness components. Using the NAQ, the UNSD 'evaluates' the availability, scope, and coverage of national accounts data and the implementation of SNA 2008. "Conceptual compliance" with the 2008 SNA is evaluated in terms of milestones and a Minimum Required Data Set (MRDS).⁴ The IMF's Government Finance Statistics Committee

² See https://dsbb.imf.org/content/pdfs/dqrs_nag.pdf and <https://unstats.un.org/unsd/statcom/doc11/2011-6-NationalAccounts-E.pdf>

³ DQAF elements: (i) quality, (ii) integrity, (iii) Methodology, (iv) Accuracy and reliability, (v) serviceability and (vi) reliability.

⁴ The milestones provide guidance to countries that are considering expanding the scope of their national accounts coverage in line with the recommendations of the SNA while also serving as a monitoring instrument permitting the measurement of the level of national accounts development at different points in time and the identification of countries that might benefit from capacity development assistance.

(GFSAC) and the Balance of Payments Committee have reported on the implementation of the latest GFSM and BPM by countries. However, these relates only to the publication of data with the coverage and presentations required by each framework not in terms of the underlying methodology, concepts, and definitions.⁵

SECTION III: RECOMMENDED APPROACH

The proposed frameworks for measuring and communicating alignment to the international economic statistical guidance do not require a change to either the SNA, BPM, or GFSM. Instead, the recommended frameworks are stand-alone tools intended for national statistical authorities and international agencies to assess the methodology and presentation underlying a country's (or group of countries') economic statistics. It is expected that the relevant framework would be included in the appendix of the (SNA, BPM, and GFSM) and that countries would be encouraged to use the frameworks and make the results publicly available for all users.

Alignment Framework

6. Macroeconomic statistics have several different types of users and uses. Primarily, they inform users about the performance and structure of the domestic economy. They also inform users about the performance and composition of the economy relative to other economies. For the latter to be achieved, users require some assurance that the statistics they are comparing across countries have been consistently compiled. If there are inconsistencies, users need to be aware of the major methodological differences in the data compiled by different economies.

7. Currently neither the SNA, BPM, nor GFSM includes a framework that compilers can use to assess their country's alignment to the statistical guidance. When countries communicate their alignment to a statistical guidance, it is usually done in the context of the version of the guidance used to produce the national estimates. While this is important information, it does not indicate the degree to which they implemented the recommendations contained in the relevant statistical guidance (or version thereof). Users are therefore left to assume that all countries have implemented the guidance to the same (complete) degree – either completely or not at all. This is not always the case and while countries may be using the same version of a statistical guidance, the method and degree to which it is implemented may vary significantly. This impacts user's interpretation and the cross-country comparability of the estimates.

⁵ See for example UNSD developing a global programme for the implementation of the 2008 SNA and supporting statistics: <https://unstats.un.org/unsd/nationalaccount/docs/impPaper.pdf> , UNSD Self-assessment evaluation of the status of National Accounts and Supporting Statistics: <https://unstats.un.org/unsd/nationalaccount/docs/evaluation.doc>, Report of the IMF Government Finance Statistics Advisory Committee, 2015 <https://www.imf.org/external/pubs/ft/gfs/gfsac/gfsac15.pdf>, and the BOPCOM Paper - Progress in Implementing BPM6 <https://www.imf.org/external/pubs/ft/bop/2015/pdf/15-05.pdf>.

8. Consider two economies A and B - country A indicates it uses the 2008 SNA to compile its national accounts but does not record cultivated biological assets. Country B, also 2008 SNA compliant, records cultivated biological assets in its national accounts. Both economies comply with the latest statistical standard, however, the asset boundary in each country is slightly different. When comparing the investment data, balance sheets and productivity data of the two countries, it is important for the user to understand these differences. Country A may not record cultivated biological assets because they are not material for that economy. If this is the case, then this information should also be provided to users so that they do not attempt to compensate for the different treatment when making the cross-country comparisons. An internationally adopted and accepted alignment framework would assist users in making cross-country comparisons.

9. The term alignment is purposeful, as it is unrealistic to expect a country to fully 'comply' to an international economic statistical guidance. Economic structures, users' data needs, resources, statistical infrastructure, and source data vary across countries. Therefore, producers of statistics must weigh the needs of its users - who may require a country specific accounting treatment - with the need to ensure that the resulting data are internationally comparable. In other cases, a given activity/concept may be economically immaterial for a given country and therefore, for pragmatic and resourcing reasons, the recommendation is not implemented. While countries strive to 'align' to an international economic statistical guidance, most countries do not fully comply. As a result, a proposed framework needs flexibility to take into consideration that certain parts of the standard may not apply to a given economy or a given situation.

10. Not only will an alignment framework facilitate cross-country comparisons, it will also help users anticipate the potential impact of subsequent updates to the statistics.⁶ For example, assume that a country undertakes a comprehensive update where they introduce several conceptual and accounting changes to the macroeconomic accounts. Assume that change results in a 20 per cent increase in the level of GDP. A logical question a user may raise is whether there may be additional updates at some point in the future – and what the estimated extent of the update. If a country can demonstrate that its latest update with the standard bring it fully in line with the current set of international recommendations – users will have some assurance that future changes will be small. Although the concepts may be covered, this does not preclude other methodological or data source improvements.

11. An effective alignment framework should have some degree of flexibility, be easy to implement, update and communicate. While this framework can take many different forms, it is recommended that the alignment framework be structured around the key components of a

⁶ The definition and types of updates are discussed further in CMTT GN.3 - *Taxonomy for Communicating Economic Statistics, Products, and Product Updates*

statistical standard. At a very high level an international economic statistical guidance consists of a set of: (1) concepts; (2) accounting rules (3) methods (4) classification systems; and (5) tables/accounts.

12. Concepts are the foundation of an international economic statistical guidance.

They reflect the articulation of a macroeconomic idea, activity, interaction, state, or notion. Concepts determine what gets measured. Consider the concept of production in the *2008 SNA*. The *2008 SNA* §1.40 states that production is “.....a physical process, carried out under the responsibility, control and management of an institutional unit, in which labour and assets are used to transform inputs of goods and services into outputs of other goods and services. All goods and services produced as outputs must be such that they can be sold on markets or at least be capable of being provided by one unit to another, with or without charge. The SNA includes within the production boundary all production destined for the market, whether for sale or barter. It also includes all goods or services provided free to individual households or collectively to the community by government units or NPISHs.” The concept of production in the SNA ultimately determines the size of a given economy. Other key concepts include income, assets, capital formation, expenditure, and consumption among others.

13. Accounting rules reflect the guidelines that macroeconomic compilers should follow when recording transactions and other economic flows. In the context of the statistical guidance, accounting rules determine how activities get recorded. For example, a key accounting rule in the *2008 SNA* is the rule that transactions are recorded “on an accrual basis throughout” (*2008 SNA* § 3.163). The international statistical guidance have numerous accounting rules related to the time of recording, valuation, consolidations, and netting that should all be considered “in-scope” for an alignment framework.

14. Methods are closely associated with accounting rules. One way to interpret a method is to view it as the way a macroeconomic accountant implements an accounting rule or measures a concept. For example, one compiler may decide to use a series of price indices to derive an estimate of the market value for a stock of assets while another compiler may decide to obtain observed values recorded on the balance sheets of enterprises. Both are following the same valuation rule but are using different methods to apply the rule. The international statistical standards list several recommended methods related to valuation, the calculation of volumes – that should be included in an alignment framework.

15. Classifications determine the level of detail that is presented to users. As discussed earlier, the concept of production in the *2008 SNA* determines what gets measured. At the limit, this could result in publication of a single (albeit very large) number. Presenting a single estimate of production would not be very useful and would only lead to a series of additional questions from users such as which firms contributed the most to production? or which regions contributed the greatest share? Classifications facilitate a consistent presentation

of detailed or granular information to users as well as a standard approach to aggregating the information.

16. Accounts/Tables outline how information is presented to users. They specify the structure and terminology that should be adopted when communicating macroeconomic statistics to users. They also outline what information is provided to users. Most international economic statistical guidance have already identified a set of accounts or tables that are considered *the minimum requirements* to declare alignment to a set of guidance. Since this is both well-defined and widely used, it is proposed that this is incorporated into the alignment framework.

17. While the five categories noted above can serve as an overarching structure for the alignment framework some granularity is needed. Since a given statistical guidance have many concepts, accounting rules, methods, classifications, and accounts/tables it is not possible or pragmatic to list them all within the framework - a subset is required. Many users of macroeconomic statistics use the data to analyze and compare the structure and evolution of the economy over time and across jurisdictions. It seems appropriate that the individual items to be included in the framework focus on those categories that impact the interpretation and assessment of levels and growth rates. Using these criteria, an alignment checklist has been developed and included in Annex II of this guidance note for the SNA, GFS and BPM.⁷ This is a preliminary list that requires refinement through a series of consultations. In addition, the final checklist that will be included in the updates SNA, BPM and GFSM can only be determined once decisions have been made regarding the concepts, accounting rules, methods, classifications, accounts to be included in the updated statistical standards.

18. The SNA, BPM and GFS alignment frameworks are elaborated in Annex II.

Communicating with Users

19. The previous section outlined an alignment framework that could be used to determine alignment with an international economic statistical guidance. This section of the note outlines how macroeconomic compilers can communicate this information to users. While some consideration may be given to the development of a scoring system / methodology, it is recommended that a dashboard approach be taken. Scoring a country's alignment to a statistical framework may create a disincentive to use the framework. In addition, any aggregate score would require some form of weighting mechanism which would introduce a high degree of subjectivity (i.e. is alignment to concepts more important than alignment to accounting rules)

⁷ The annex current reflects the framework/questions relevant for the SNA. Similar frameworks will be developed for both the balance of payments, government finance statistics.

into the process. A dashboard that does not attempt to quantify or summarize the information will still provide useful information to users in a simple, straight forward, and flexible manner.

20. The starting point for the dashboard is the alignment framework presented in Annex II. While most of the items in the framework can be structured to solicit a “yes” or “no” response, it is felt that this would not provide the granularity users require to properly interpret the results nor would it provide the compiling country the flexibility it needs to properly convey the scope of its program. Since the framework is intended to measure the degree of alignment to a guidance it was felt that the tool used to undertake the assessment should also include the notion of “degree”. It is proposed that for each item on framework the compiling organization indicate whether they:

- a) **Fully align** with the recommendation – meaning that between 95-100 per cent of the recommendation is implemented.
- b) **Highly align** with the recommendation- meaning that between 75-95 per cent of the recommendations
- c) **Broadly align** with the recommendation – meaning that between 50-75 per cent of the recommendations
- d) **Partially align** with the recommendation – meaning that between 25-50 per cent of the recommendations
- e) **Do Not align** with the recommendation – meaning between 0-25 per cent of the recommendation is implemented.
- f) The recommendation is **Not Applicable** – meaning that for issues of materiality the recommendation is not implemented.

21. The introduction of the notion of “per cent aligned” does introduce some subjectivity and flexibility into the exercise. This was done because it is difficult to define (and impossible to measure) what would constitute being 100 per cent aligned to a concept, accounting rule, method etc. It is proposed that country compilers use their knowledge of their processes and an assessment of economic activity in their country to make this determination. For example, assume that the alignment framework includes the item - recording of illegal activity. Assume that the country includes estimates of illegal drug production and illegal drug-trafficking in its estimates but does not account for illegal tobacco smuggling. Assume that illegal tobacco smuggling is small relative to illegal drug trafficking and, at most, represents five per cent of the value of drug production and drug trafficking. In this case the country compiler would indicate that they fully align with the ISS since they are capturing approximately 95 per cent of illegal activity. While this requires some subjectivity on the part of the country compiler it is felt that this flexibility in determining full versus partial versus no alignment was necessary and informative without putting too much burden on the compilers.

22. It is recommended that the dashboard be presented in digital format and be included as a part of the sources and methods documentation for a given statistical guidance. It is also recommended that the assessment be color coded such that:

- Fully Aligned = Green
- Highly Aligned = light green
- Broadly Aligned = yellow
- Partially Aligned = light Yellow
- Not Aligned = Red
- Not Applicable = Black.

The following is an example of what an ISS alignment dashboard could look like (using the first few items from Annex II).

Category	Comments	F	H	B	P	N	NA
Production Boundary Covers							
Observed market output		★					
Non-observed market output.		★					
Non-market output			★				
Output for own final use.	Household output for own final use is not calculated.			★		★	
Imputed services					★		
Estimates of illegal output are calculated.	Estimates of illegal activity are not calculated.						

The fully aligned, partially aligned, and not aligned categories **are appropriate** when considering concepts, methods, and accounting rules but **not when considering classifications** used, tables or accounts. It is proposed that the timeliness (days released after the reference period) and granularity (number of detailed classes) be used in “quantifying” the alignment of tables and accounts to a given standard as showing in Annex II.

SECTION IV: RECOMMENDED APPROACH - PRACTICAL ASPECTS

23. This recommendation has several practical considerations for compilers. First, it recommends that compilers assess the alignment of their macroeconomic program to the relevant international statistical guidance. Second, it recommends that national compilers communicate the results of this assessment broadly to both users and the international

statistical community at large. Finally, since the macroeconomic accounts in most countries are continuously evolving, it implies that countries will need to periodically update this assessment to ensure it reflects the current state of their macroeconomic accounts program.

SECTION V: CHANGES REQUIRED TO THE 2008 SNA AND OTHER STATISTICAL DOMAINS

24. This recommendation does not propose changes to the concepts of the international economic statistical guidance. This recommendation defines a set of concepts, accounting rules, methods, classifications, and tables / accounts that constitute a given statistical standard. This “set” was determined by a deliberate assessment of those components of an ISS that have a significant impact on either the level or growth of the macroeconomic statistics.

25. It is recommended that the above recommendations are included as a chapter to the SNA, BPM, and GFS titled “Economic statistics - Communication Practices and Recommendations. In addition to including the information from this Guidance Note, this proposed chapter should also include information from the CMTT Guidance Notes on Terminology and Taxonomy. Countries should be encouraged to use the framework and make the results publicly available for all users.

Questions for the AEG Members

1. Do you agree with the components of the SNA, BPM and GFS alignment frameworks as presented in the Annex?
2. Do you agree with the ‘dashboard’ methodology used for the assessment framework?
3. Do you agree with the definition of the categories – fully aligned, highly aligned, broadly aligned, and partially aligned – used to demarcate the degree of alignment?
4. Do you have proposals on how to communicate a country’s overall level of alignment to users?

Annex I. Referenced Documents

Carson, Carol S., Sarmad Khawaja, and Thomas K. Morrison, 2003, *Revisions Policy For Official Statistics: A Matter of Governance*, 54th Session of the International Statistical Institute Berlin, Germany, available at <https://dsbb.imf.org/content/pdfs/RevPolicyStat.pdf>

Carson, Carol S. and Lucie Laliberté, 2002, *Assessing Accuracy and Reliability: A Note Based on Approaches Used in National Accounts and Balance of Payments Statistics*, Fourteenth Meeting of the IMF Committee on Balance of Payments Statistics, available at <https://www.imf.org/external/pubs/ft/bop/2001/01-6b.pdf>

Committee on Monetary, Financial and Balance of Payments Statistics, 2017, *A Harmonized European Revision Policy for Macroeconomic Statistics*, available at <https://circabc.europa.eu/sd/a/370b7c25-142d-40df-8397-248289a03bac/2017-10-13%20-%20CMFB%20Communication%20on%20common%20revision%20policies.pdf>

Eurostat, 2013, *ESS guidelines on revision policy for PEEIs*, Methodologies and Working papers, Publications Office of the European Union, available at <https://ec.europa.eu/eurostat/documents/3859598/5935517/KS-RA-13-016-EN.PDF/42d365e5-8a65-42f4-bc0b-aacb02c93cf7>

Intersecretariat Working Group on National Accounts, 2011, Extract of the report to the forty second session (2011) of the United Nations Statistical Commission, available at <https://unstats.un.org/unsd/nationalaccount/docs/guidelines.pdf>

UNECE, 2012, *Report of activities to support the implementation of the 2008 System of National Accounts in Eastern European and Central Asian countries*, available at https://www.unece.org/fileadmin/DAM/stats/documents/ece/ces/ge.20/2012/Report_on_2008_SNA_implementation-revised.pdf

United Nations Statistics Division, 2009, Report to the Twenty Second Meeting of the IMF Committee on Balance of Payments Statistics 2009, *The 2008 SNA Implementation*, available at <https://www.imf.org/external/pubs/ft/bop/2009/09-09.pdf>

United Nations Statistics Division, 2017, *Implementation of SNA and SEEA at global level and current activities*, Report to the Inter-regional workshop on Strengthening statistical capacities for building macroeconomic and sustainable development indicators in Latin America, the Caribbean and Asia-Pacific countries, available at https://www.cepal.org/sites/default/files/presentations/2017-07_6_3-unsd.pdf

United Nations Statistics Division, 2018, *10 years since the adoption of the System of National Accounts 2008 Status of implementation*, Annual Seminar on National Accounts, Panama, available at https://www.cepal.org/sites/default/files/presentations/2018-05-semcn_2_denu-ilaria-di-matteo.pdf

United Nations Statistics Division, *Developing a global programme for the implementation of the 2008 SNA and supporting statistics*, available at <https://unstats.un.org/unsd/nationalaccount/docs/impPaper.pdf>

United Nations Statistics Division, *Self-assessment evaluation of the status of National Accounts and Supporting Statistics*, available at <https://unstats.un.org/unsd/nationalaccount/docs/evaluation.doc>

Annex II. System of National Accounts Alignment Framework for Concepts, Methods, Rules, and Classification⁸

The following table identifies the key assessment questions related to: (i) key concepts (ii) methods; (iii) accounting rules, and (iv) classifications against which alignment with the SNA can be assessed. The key concepts and definitions proposed are in line with the statistical best practices outlined in the SNA framework. The key concepts are broadly based on the IMF DQAF Questionnaire and the UNSD's 2008 SNA Compliance Questionnaire.

I. SNA Alignment Framework – Metadata

Is there a National Code of Practice?	Y/N	Insert link:
Last benchmark year for GDP	Enter year:	Insert link to revisions publication:
Latest period for which balanced SUTs are available?	<i>(select from dropdown)</i>	
Latest period for which institutional sector accounts are available?	<i>(select from dropdown)</i>	
Do you have a published revision policy?	Y/N	Insert link:
What is the release cycle used for?		
Annual National Accounts	<i>(select from dropdown)</i>	
Quarterly National Accounts	<i>(select from dropdown)</i>	
Other Documentation (e.g. sources of data and compilation methods) – useful links		
Topic Theme	Insert name:	Insert link:
Topic Theme	Insert name:	Insert link:
Topic Theme	Insert name:	Insert link:
Topic Theme	Insert name:	Insert link:

II. SNA Alignment Framework – Concepts and Methods

Use the framework to indicate the degree of alignment with the SNA concepts, definitions, methods, accounting rules: (i) fully align with the recommendation means that between 95-100 per cent of the recommendation is implemented, (ii) highly align with the recommendation means between 75-90 per cent of the recommendation is implemented, (iii) broadly align with the recommendation means between 50-75 per cent of the recommendation is implemented (iv) partially align with the recommendation means between 25-50 per cent of the recommendation is implemented

⁸ Similar frameworks are being developed for the BOP and GFS domains.

(v) do not align with the recommendation means that between 0-25 per cent of the recommendation is implemented; and (vi) the recommendation is not applicable – meaning that for issues of materiality or user requirements the recommendation is not implement.

Category	Sub-Category	Fully Aligned	Highly aligned	Broadly Aligned	Partially Aligned	Not Aligned	N/A
I. Concepts and definitions							
<i>An SNA concept reflects the articulation of a macroeconomic idea, activity, interaction, state, or notion. Concepts determine what gets measured, an example is the concept of production in the SNA.</i>							
	i) Units of the economy include						
	domestic territory						
	territorial enclaves in the rest of the world						
	free zones/bonded warehouses/factories operated by offshore enterprises under customs control						
	workers who work part of the year in another country						
	goods that do not change economic ownership are part of the economy (not recorded in exports and imports)						
	ii) Production boundary covers						
	Observed market output						
	Non-observed market output.						
	Non-market output						
	Output for own final use.						
	- In particular, the following items are included						
	Estimates of illegal output are calculated.						
	Imputed services (of owner-occupied dwellings)						
	own-account production of all goods for own final consumption						
	research and development for market and on own account						
	output of goods for own-account fixed capital formation;						
	mineral exploration						
	production of entertainment, literary, or artistic originals						

Category	Sub-Category	Fully Aligned	Highly aligned	Broadly Aligned	Partially Aligned	Not Aligned	N/A
	production of computer software						
	iii) Assets boundary						
	Dwellings						
	Other buildings and structures						
	Machinery and Equipment						
	Weapons Systems						
	Cultivated biological resources						
	Intellectual Property Products						
	Valuables						
	- In particular, the following items are included						
	defense related assets that could be used for civilian purposes						
	weapons systems such as warships, submarines, tanks, missile carriers and launchers, etc.						
	valuables and historical monuments						
	agricultural work-in-progress						
	mineral exploration and evaluation (whether successful or not)						
	systems and standard applications computer software and databases (purchased or built in-house)						
	entertainment, literary or artistic originals						
	research and development products						
	leases and other transferable contracts (such as purchased goodwill)						
II. Accounting Rules							
<i>The SNA accounting rules reflect the guidelines that compilers should follow when recording transactions and other economic flows. They determine how activities get recorded, for example accrual basis of recording principle.</i>							
	Valuation						
	Market output is valued at basic prices						
	Output for own use is valued at equivalent market prices						
	If levied, sales and excise taxes are included in the valuation of intermediate consumption						

Category	Sub-Category	Fully Aligned	Highly aligned	Broadly Aligned	Partially Aligned	Not Aligned	N/A
	If value added taxes are in place, they are included in the valuation of intermediate consumption, excluding the deductible part of the value added taxes						
	If applicable, the deductible part of the value added taxes is excluded from the valuation of final uses						
	Corrections are made when transfer prices are detected						
	Information on the cost of insurance and freight for merchandise imports is available						
	Total imports and exports are valued on an f.o.b. basis						
	Transactions in foreign currency are converted using the mid-point exchange rate prevailing in the market when they take place						
	Proper adjustments are made if a system of multiple official exchange rates exists						
	Consumption of fixed capital is valued at current replacement cost.						
	Stock of non-financial assets are valued at market prices.						
	Time of Recording						
	Transactions and flows are recorded on an accrual basis						
	Work-in-progress is recorded in the period it is produced						
	Government-related transactions are recorded on an accrual basis, in particular taxes and subsidies on products; expenditures; revenues.						
	Grossing/ Netting, Consolidation						
	Transactions between establishments within the same enterprise are recorded on a gross basis						
III. Methods							

Category	Sub-Category	Fully Aligned	Highly aligned	Broadly Aligned	Partially Aligned	Not Aligned	N/A
<p><i>ISSs methods are closely associated with accounting rules. One way to interpret a method is to view it as the way a macroeconomic accountant implements an accounting rule or measures a concept. For example, one compiler may decide to use a series of price indices to derive an estimate of the market value for a stock of assets while another compiler may decide to obtain observed values recorded on the balance sheets of enterprises. Both are following the same valuation rule, but both have used different methods to apply the rule.</i></p>							
	Sub-annual series are seasonally adjusted						
	Output and intermediate consumption are deflated by appropriate price indexes						
	Volume indexes are chained-weighted						
	ANA and QNA volume are chain-linked						

III. SNA Alignment Framework – Classification

The following section of the framework requests details on the classification systems and SNA tables/accounts that are compiled and disseminated.

Classifications/ and Presentation of Accounts

Classifications Standard	Version	Level of Detail	Used for SUTs? (Y/N)	
International Standard Industrial Classification (ISIC)				
Central Product Classification (CPC)				
Classification of Individual Consumption by Purpose (COICOP)				
Classification of the Functions of Government (COFOG)				
Classification of the Purposes of Non-profit Institutions serving households (COPNI)				
Other Classifications:	Name	Version	Level of Details	For which purpose
Enter Name				
Enter Name				
Enter Name				
Statistical Unit				
What is the statistical unit used for?	SUTs and IOTs (Y/N)	Institutional sector accounts (Y/N)		
Local Kind of Activity Unit (LKAU)				
Kind of Activity Unit (KAU)				
Unit of Homogeneous Production (UHP)				
Local UHP				
Enterprise				
Institutional unit				
Enterprise Group				
Other (name)				

IV. SNA Alignment Framework - Accounts/Tables

Category	Sub-Category	Timeliness	Granularity	Limitations
Presentation: Accounts and Tables				
	annual value added and GDP at current prices and in volume terms by industry			
	annual GDP by expenditure at current prices and in volume terms			
	annual GDP by income at current prices			
	annual sequence of accounts for the total economy (until net lending)			
	annual rest of the world accounts (until net lending)			
	annual non-financial corporation sector accounts (until net lending)			
	annual financial corporations sector accounts (until net lending)			
	annual general government sector accounts (until net lending)			
	annual household sector accounts (until net lending)			
	annual non-profit institutions serving households sector accounts (until net lending)			
	quarterly GDP at current prices and in volume terms by industry			
	quarterly sequence of accounts for the total economy (until net lending)			
	quarterly rest of the world accounts (until net lending)			
	Optional minimum requirement			
	quarterly expenditures of GDP in current prices and in volume terms			
	Recommended tables and accounts			
	annual Supply and Use tables			
	annual Input-Output tables			
	annual integrated economic account table			
	annual financial accounts for all sectors			
	annual cross-classification of output/value added by industries and sectors			

Category	Sub-Category	Timeliness	Granularity	Limitations
Presentation: Accounts and Tables				
	annual general government final consumption expenditure by purpose in current prices and in volume terms			
	annual individual final consumption (and other) expenditure by purpose in current prices			
	annual balance sheets, revaluation and other volume changes in asset accounts for all sectors			
	quarterly value-added components by industry at current prices			
	quarterly value-added components by industry, constant prices			
	quarterly employment by industry			
	quarterly non-financial corporation sector accounts (until net lending)			
	quarterly financial corporations sector accounts (until net lending)			
	quarterly general government sector accounts (until net lending)			
	quarterly household sector accounts (until net lending)			
	quarterly non-profit institutions serving households sector accounts (until net lending)			
	Desirable tables and accounts			
	annual social accounting matrices			
	quarterly Supply and Use tables			
	quarterly financial accounts for all sectors			
	quarterly balance sheets, revaluation and other volume changes in asset accounts for all sectors			
	Others			
	annual tourism accounts, environmental accounts and other socio-economic accounts			
	annual general government final consumption expenditure by purpose in volume terms			
	annual individual consumption expenditures by purpose in volume terms			

Category	Sub-Category	Timeliness	Granularity	Limitations
Presentation: Accounts and Tables				
	annual purpose classification of intermediate and final consumption across all sectors			

Annex III. Balance of Payments and International Investment Position Manual (BPM) Alignment Framework for Concepts, Methods, Rules, Classification, Accounts and Tables

The following table identifies the key assessment questions related to: (i) key concepts (ii) methods; (iii) accounting rules, (iv) classifications, and (v) accounts and tables against which alignment with the BPM can be assessed. The key concepts and definitions proposed are in line with the statistical best practices outlined in the BPM framework. The key concepts are broadly based on the IMF DQAF Questionnaire.

I. BPM Alignment Framework – Metadata

Do you have a published revision policy?	Y/N	Insert link:
Other Documentation – useful links		
Topic Theme	Insert name:	Insert link:
Topic Theme	Insert name:	Insert link:
Topic Theme	Insert name:	Insert link:
Topic Theme	Insert name:	Insert link:

II. BPM Alignment Framework – Concepts and Methods

Use the framework to indicate the degree of alignment with the BPM concepts, definitions, methods, accounting rules: (i) fully aligned with the recommendation means that between 95-100 per cent of the recommendation is implemented, (ii) Highly aligned with the recommendation means between 75-95 per cent of the recommendation is implemented, (iii) broadly aligned with the recommendations means between 50-75 per cent of the recommendations is implemented, (iv) partially aligned with the recommendation means between 25-50 per cent of the recommendation is implemented, (v) not aligned with the recommendation means that between 0-25 per cent of the recommendation is implemented; and (vi) the recommendation is not applicable – meaning that for issues of materiality, the recommendation is not implemented.

Category	Sub-Category	Fully Aligned	Highly aligned	Broadly aligned	Partially Aligned	Not Aligned	N/A
I. Concepts and definitions							
<i>A BPM concept reflects the articulation of a macroeconomic idea, activity, interaction, state, or notion. Concepts determine what gets measured, an example is the concept of residency in the BPM.</i>							
	i) Units of the economy include						
	domestic territory						
	incorporated or unincorporated affiliates of nonresident companies						
	territorial enclaves in the rest of the world						

Category	Sub-Category	Fully Aligned	Highly aligned	Broadly aligned	Partially Aligned	Not Aligned	N/A
	free zones/bonded warehouses/factories operated by offshore enterprises under customs control						
	workers who work part of the year in another country						
	- In particular						
	The residence of Special Purpose Entities (SPEs) is attributed to the economy in which they are located						
	International organizations and supranational authorities are not considered residents of any national economy						
	All units of general government (e.g. embassies, military bases) are considered to be resident in their own economy						
	Subject to specific circumstances, an individual may cease being a resident of his country when he or she works continuously for one year or more in a foreign country						
	ii) Balance of payments accounts cover						
	both foreign currency and domestic currency transactions with nonresidents						
	both exchanges and unrequited transfers (transactions without a quid pro quo)						
	goods for processing						
	repairs on goods						
	nonmonetary gold						
	shuttle trade						
	smuggling						
	purchase of computer software						
	mineral exploration						
	e-commerce transactions						
	leases and other transferable contracts						

Category	Sub-Category	Fully Aligned	Highly aligned	Broadly aligned	Partially Aligned	Not Aligned	N/A
	reinvested earnings						
	intercompany lending						
	portfolio investment of private sector						
	trade credit						
	short-term debt transactions						
	debt arrears						
	noncash transactions						
	iii) International investment position accounts cover all financial claims between resident institutional units and nonresidents						
	iv) Structure, in terms of concepts and definitions						
	Current, capital, and financial accounts of the BOP statement are defined according to BPM6						
	Net lending/net borrowing recorded as the current and capital account balance is in principle equal to net lending/net borrowing recorded as the financial account balance						
	Double-entry system is applied in constructing the BOP statement, and the net residual is embedded in the errors and omissions item; net errors and omissions are derived as net lending/net borrowing from the financial account minus the same item derived from the current and capital account						
	A clear distinction is made between the income component and the goods and services components.						
	The BOP financial account provides for a separate recording of transactions in assets and transactions in liabilities.						
	Foreign direct investment is presented on a gross assets and liabilities basis.						

Category	Sub-Category	Fully Aligned	Highly aligned	Broadly aligned	Partially Aligned	Not Aligned	N/A
	Data on foreign direct investment on the directional basis (i.e. inward and outward direct investment) are also available						
	Transactions in goods and services by government entities abroad are classified under the government services not-included-elsewhere component						
	Manufacturing on physical inputs owned by nonresidents is recorded as a service						
	Merchandising of goods is classified under goods trade, with both gross and net values shown; the net amounts are included in the goods exports aggregates						
	Outright purchases and sales of the results of R&D (including patents and copyrights) are recorded under R&D services						
	Charges for the use of the outcomes of R&D are classified as a service under charges for the use of intellectual property n.i.e.						
	Financial intermediation services indirectly measured (FISIM) are distinguished from investment income and classified under financial services						
	All changes related to migrants' transfers are excluded from the BOP; corrections in the form of other changes are made in the IIP for the relevant positions in assets and liabilities.						
	Long-term construction projects are classified under foreign direct investment						
	License fees for fishing and hunting are included in the capital account						
	Borrowing and lending—including debt securities and supplier's credits—between						

Category	Sub-Category	Fully Aligned	Highly aligned	Broadly aligned	Partially Aligned	Not Aligned	N/A
	direct investors and direct investment enterprises are classified under foreign direct investment, except where transactions/positions are between a selected category of affiliated financial intermediaries						
	Loan transactions and positions of the banking sector are classified separately from currency and deposits transactions/positions of this sector; however, interbank loan positions are classified under deposits.						
	The short-term and long-term attribution of transactions and positions in the other investment component is made according to the original maturity of the financial instrument						
	v) Functional categories						
	Foreign direct investment transactions are defined as equity ownership representing 10 percent or more of the voting power						
	Reserve assets are defined considering the concept of monetary authorities' effective control and availability for use						
	vi) Sectorization						
	Government guaranteed external debt transactions are attributed to the institutional sector of the borrower						
	Government-controlled enterprises that are public corporations are excluded from general government and are included as public enterprises in the appropriate nonfinancial or financial corporations sector						
II. Accounting Rules							

Category	Sub-Category	Fully Aligned	Highly aligned	Broadly aligned	Partially Aligned	Not Aligned	N/A
<i>The BPM accounting rules reflect the guidelines that compilers should follow when recording transactions, positions, and other economic flows. They determine how activities get recorded, for example accrual basis of recording principle.</i>							
	Valuation						
	Market prices are used to value transactions and positions; for some positions, proxies are used						
	Monetary gold is valued at market prices						
	Financial instruments traded on a regular basis are valued by directly using the price quotations from markets						
	Total imports and exports are valued on an f.o.b. basis						
	Appropriate substitute measures are developed when no actual market prices are available, for example for						
	barter trade, transactions between affiliated enterprises, gifts or grants						
	for financial instruments that are not or infrequently trade in financial markets a fair value is estimated that approximates market value						
	loans, deposits, and other accounts receivable/payable are recorded at nominal value						
	When transactions estimates are derived from stock data, the value of the transaction excludes valuation and other changes						
	Transactions in foreign currency are converted using the mid-point exchange rate prevailing in the market when they take place						
	When transactions estimates are derived from stock data, an attempt is made to value the stock data in their original						

Category	Sub-Category	Fully Aligned	Highly aligned	Broadly aligned	Partially Aligned	Not Aligned	N/A
	currencies, and then convert the change in original currency to domestic currency/unit of account at the average exchange rate for the applicable period						
	Proper adjustments are made if a system of multiple official exchange rates exists						
	Time of Recording						
	Transactions are recorded on an accrual basis						
	Transactions are recorded according to the change in ownership principle						
	Grossing/ Netting, Consolidation						
	Current and capital account transactions are recorded on a gross basis while financial account transactions are recorded on a net basis, separately for the individual asset and liability components						
III. Methods							
<i>ISSs methods are closely associated with accounting rules. One way to interpret a method is to view it as the way a macroeconomic accountant implements an accounting rule or measures a concept. For example, one compiler may decide to use a series of price indices to derive an estimate of the market value for a stock of assets while another compiler may decide to obtain observed values recorded on the balance sheets of enterprises. Both are following the same valuation rule, but both have used different methods to apply the rule.</i>							
	Investment income is obtained directly (e.g. reported on a survey) or is estimated by multiplying outstanding stock of financial assets by a corresponding representative yield						
	Direct investment relationships identified by applying the Foreign Direct Investment Relationship (FDIR) or similar methods						

III. BPM Alignment Framework – Classification

The following section of the framework requests details on the classification systems that are used in the compilation of BOP and IIP statistics.

Classifications Standard	Fully Aligned	Highly aligned	Broadly aligned	Partially Aligned	Not Aligned	Not Applicable
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Category	Sub-Category	Fully Aligned	Highly aligned	Broadly aligned	Partially Aligned	Not Aligned	N/A
	BPM6 Classification of Institutional Sectors (Table 4.2)						
	Primary income, financial account, and IIP classified according to Functional Categories						
	BPM6 classification of financial assets and liabilities by instrument (Table 5.2)						
	BPM6 Classification of Services (Table 10.1)						
	Other Classifications:	Name			Version	Level of Details	For which purpose
	Enter Name						
	Enter Name						
	Enter Name						

IV. BPM Alignment Framework - Accounts/Tables

The following section of the framework requests details on the BPM tables/accounts that are compiled and disseminated.

Category	Sub-Category	Timeliness	Granularity	Limitations
	Balance of payments standard components and memorandum items (Appendix 9)			
	International investment position standard components and memorandum items (Appendix 9)			
	Reserve-related liabilities (Table A9-V)			
	Nonperforming loans separately at fair value (para. 7.45-7.56)			
	Currency composition of assets and liabilities and institutional sector (Table A9-I)			
	Additional Supplemental Items for BOP, and IIP as applicable			
	Direct investment by instrument, maturity, and institutional sector (see para. 2.32, 2.34, and 14.59)			
	Direct investment involving resident SPEs (see para. 4.50 and 4.87)			
	Direct investment in the reporting economy and direct investment abroad (see Box 6.4)			

Category	Sub-Category	Timeliness	Granularity	Limitations
	Real estate investment (see para. 6.31)			
	Pass-through funds (see 6.33-6.34)			
	Data by kind of economic activity (industry) (see para. 6.50)			
	Mergers and acquisitions (see para. 8.18)			
	Data for money-issuing sector (see para. 4.72)			
	Financial account items for public corporations (see 4.108)			
	Data by partner economy (see para. 4-146-4.148)			
	Detail for investment income to match the IIP (see para. 7.13 and 11.6)			
	Gross flows for financial account items (see para. 8.9)			
	Reconciliation table between merchandise source data and goods on a balance of payments basis (see Table 10.2)			
	Gross insurance premiums earned and unadjusted insurance claims (see para. 10.112)			
	Transfers implied by loans at concessional interest (see para. 12.51)			
	Personal remittances (see para. 12.27(a))			
	Total remittances (see para. 12.27(b))			
	Total remittances and transfers to nonprofit institutions serving households (see para. 12.27(c))			
	Insurance claims included in other capital transfers (see para. 13.24)			
	Additional Supplemental Items for IIP			
	Currency composition of assets and liabilities and institutional sector (Tables A9-II and A9-III)			
	Foreign currency assets of monetary authorities: Foreign currency deposits with deposit-taking corporations resident in the reporting economy (see para. 6.65) and Foreign currency assets of monetary authorities: Foreign currency claims on neighboring economies (see para. 6.73)			
	Foreign assets of special purpose government funds not included in reserve assets (see para. 6.93-6.98)			

Category	Sub-Category	Timeliness	Granularity	Limitations
	Pooled assets included in reserve assets (see para. 6.99-6.101)			
	Pledged assets excluded from reserve assets (see para. 6.107-6.109)			
	Debt securities at nominal values (see para. 7.30)			
	Remaining maturity split for debt liabilities (Table A9-IV) for each instrument and sector			
	Integrated IIP statement with positions, transactions, and other changes in volume, exchange rate changes and other revaluations (as shown in Table 7.1) by asset and liability category; also changes in positions due to transactions by other parties (see para. 9.16)			
	Contingent assets/liabilities (see para. 5.10)			

Annex IV. Government Finance Statistics (GFS) Alignment Framework – Concepts, Accounting Rules, and Methods

The following table identifies the key assessment questions related to: (i) key concepts (ii) methods; (iii) accounting rules, and (iv) classifications against which alignment with the Government Finance Statistics Manual 2014 (GFSM 2014) can be assessed. The key concepts and definitions proposed are in line with the statistical best practices outlined in the GFSM 2014. The key concepts are broadly based on the IMF's Data Quality Assessment Framework (DQAF) Questionnaire.

I. GFS* Alignment Framework – Metadata

Do you publish annual GFS?	Y/N	Insert link:
How soon after the end of the year are the data published?	<i>(select from dropdown)</i>	
Do you publish quarterly GFS?	Y/N	Insert link:
How soon after the end of the year are the data published?	<i>(select from dropdown)</i>	
Do you publish monthly GFS?	Y/N	Insert link:
How soon after the end of the year are the data published?	<i>(select from dropdown)</i>	
Do you follow one of IMF's data dissemination standards?	Y/N	
Of which standard are you a subscriber (SDDS+ / SDDS / e-GDDS)?	<i>(select from dropdown)</i>	
Is there a National Statistical Code of Practice?	Y/N	Insert link:
Do you have a published revision policy?	Y/N	Insert link:
Do you have a published list of government and/or public sector units?	Y/N	Insert link:
How frequently is the list updated?	<i>(select from dropdown)</i>	
Is the process of producing the list published?	Y/N	Insert link:
Are the different GFS publications harmonized and consistent?	Y/N	
Are high frequency GFS consistent with annual GFS?	Y/N	<i>(additional detail)</i>
Are public sector debt statistics consistent with other GFS data?	Y/N	<i>(additional detail)</i>
Are the published GFS harmonized and coherent with National Accounts publications?	Y/N	<i>(additional detail)</i>
Are the published GFS harmonized and coherent with External Sector Statistics publications?	Y/N	<i>(additional detail)</i>
Other Documentation – useful links		
Topic Theme	Insert name:	Insert link:
Topic Theme	Insert name:	Insert link:
Topic Theme	Insert name:	Insert link:

* GFS (Government Finance Statistics) is used here and later to refer to GFS as defined in the GFSM 2014 (which provides a framework for the preparation of public sector financial statistics, including debt statistics)

II. GFS Alignment Framework – Coverage (Institutional and Stock/Flow)

	BCG	EBCG	CG	SSF	SG	LG	GG	NFPC	FPC	PS
What is the accounting bases of the statistics (CA, AC, PA)?										
Are the data consolidated (Y/N)?										
What is the highest frequency of publication (A, Q, M)?										
Revenue										
Expenditure – economic classification										
Expenditure – functional classification (COFOG)										
Transactions in financial assets and liabilities										
Nonfinancial assets (stocks)										
Financial assets (stocks)										
Liabilities - including debt (stocks)										
Other economic flows										
Contingent liabilities (stocks)										

BCG = Budgetary Central Government, EBCG = Extrabudgetary Central Government, CG = Central Government, SSF = Social Security Funds, LG = Local Government, GG = General Government, NFPC = Nonfinancial Public Corporations, FPC = Financial Public Corporation, PS = Public Sector, CA = Cash, AC = Accrual, PA = Partial Accrual*, A = Annual, Q = Quarterly, M = Monthly.

(* Partial Accrual may indicate that either some items/interactions are recorded on a cash basis and others on an accrual basis; or that all items/interactions are neither recorded on a pure cash or a pure accrual basis.)

“NP” to be used if institutional sector not applicable to country, “NA” if institutional sector is applicable but data are not compiled/published.

III. GFS Alignment Framework – Concepts, Accounting Rules, and Methods

Use the framework to indicate the degree of alignment with the GFS concepts, definitions, methods, accounting rules: (i) fully aligned with the recommendation means that between 95-100 per cent of the recommendation is implemented, (ii) highly aligned with the recommendation means between 75-95 per cent of the recommendation is implemented, (iii) broadly aligned with the recommendations means between 50-75 per cent of

the recommendations is implemented, (iv) partially aligned with the recommendation means between 25-50 per cent of the recommendation is implemented, (v) not aligned with the recommendation means that between 0-25 per cent of the recommendation is implemented; and (vi) the recommendation is not applicable – meaning that for issues of materiality the recommendation is not implemented.

Category	Sub-Category	Fully Aligned	Highly aligned	Broadly Aligned	Partially Aligned	Not Aligned	N/A
A. Concepts and definitions							
<i>GFS concepts identify and define what units, activities, interactions, and notions get recognized and measured in GFS. Examples are the concept of the general government sector, and the concept of debt liabilities.</i>							
	i) Units of general government include:						
	all central government budgetary units						
	territorial enclaves in the rest of the world						
	all state government units						
	all local government units						
	all social security funds						
	all nonmarket nonprofit institutions (NPIs) controlled by government units						
	all nonfinancial corporations controlled by government which do not meet the criteria to be market producers						
	all financial corporations controlled by government which do not meet the criteria to be market producers						
	ii) Public corporations include:						
	Central Bank, and central supervisory authorities which are financial auxiliaries						
	all nonfinancial corporations controlled by government which are institutional units and meet the criteria to be market producers						
	all financial corporations controlled by government which are institutional units and meet the criteria to be market producers						
	iii) Revenue includes only those transactions which increase net worth						
	- <i>In particular, the following concepts are followed:</i>						
	In-kind revenues are included						
	Transactions in debt forgiveness (to government) are included						
	All social contributions are included without consolidation (as these are treated as transactions between households and government)						

	Only that portion of dividends which do not meet the “superdividend test” (see GFSM 2014 paras. 5.115-6) are included						
	Only taxes and social contributions where there is a realistic expectation of collection are included						
	Principal payments related to (policy) lending are <u>excluded</u>						
	Privatization proceeds are <u>excluded</u> (and included instead as disposals of equity)						
	Nonfinancial asset sale proceeds are <u>excluded</u> (and included as transactions in nonfinancial assets)						
	iv) Expense includes only those transactions which decrease net worth						
	<i>- In particular, the following concepts are followed:</i>						
	In-kind expenses are included						
	Consumption of fixed capital is included						
	Compensation of employees includes all amounts payable to employees in the form of cash, goods, services, interest foregone (etc..) in return for work performed						
	Compensation of employees includes imputed employers’ social contributions related to pension, and other social benefit, entitlements						
	Subsidies only include transfers made to enterprises based on their production levels or quantities						
	Capital injections are included where there is no effective financial claim or expectation of realistic return						
	Transactions in debt forgiveness (by government) are included						
	All capital transfers (external and domestic) are included						
	Acquisitions of equity and (policy) lending are <u>excluded</u>						
	v) Transactions, flows, and stocks in nonfinancial assets are reported						
	<i>- In particular, the following items are included:</i>						
	Buildings (such as government offices, army barracks, public monuments, schools, and hospitals)						
	Infrastructure (such as roads, bridges, railways, tunnels, sewers, harbors, dams, power lines)						
	Transport equipment (such as cars, trains, planes)						
	ICT equipment (such as computer hardware, telecommunications equipment)						
	Cultivated biological resources (such as trees, crops)						
	Research and development products						
	Mineral exploration and evaluation (whether successful or not)						

	Weapons systems (such as warships, submarines, tanks, missile carriers and launchers, etc.)							
	Inventories							
	Natural resources (such as land, mineral and energy resources, radio spectrum)							
	Contracts, leases and licenses (such as transferable permits to use natural resources or to undertake a specific activity)							
	vi) Transactions, flows, and stocks in financial assets and liabilities are reported							
	- <i>In particular, the following items are included:</i>							
	Monetary gold (assets only)							
	Special Drawing Rights							
	Currency and deposits							
	Debt securities							
	Loans							
	Equity							
	Pension entitlements and/or Claims of pension funds on pension managers, for employment-related pensions (as applicable)							
	Provisions for calls under standardized guarantee schemes							
	Financial derivatives							
	Other accounts receivable / payable							
B. Accounting Rules								
<i>The GFS accounting rules reflect the guidelines that compilers should follow when recording stocks, transactions and other economic flows. They determine how activities get recorded, for example accrual basis of recording principle.</i>								
	Valuation							
	All stocks, transactions, and other economic flows are recorded using a single unit of account (usually the domestic currency)							
	Stocks of financial assets and liabilities are valued at market prices							
	Debt statistics are produced at nominal value							
	Stocks of nonfinancial assets are valued at market prices							
	Transactions in nonfinancial produced fixed assets are net of consumption of fixed capital							
	Transactions in nonfinancial produced assets include costs of ownership transfer (such as fees, taxes, transport and installation charges)							
	Costs of ownership transfer related to nonfinancial nonproduced assets are included as nonfinancial produced (fixed) assets							
	Transactions in foreign currency are converted using the mid-point exchange rate prevailing in the market when they take place							

	Stocks in foreign currency are converted using the exchange rate prevailing in the market at the time of measurement							
	Consumption of fixed capital, where reported, is valued at current replacement cost.							
	Time of Recording							
	Transactions and flows are recorded on an accrual basis							
	<i>- In particular:</i>							
	Interest is recorded as accruing continuously, over the period that the financial asset to which it relates exists							
	Rent is recorded as accruing continuously, over the period of the resource lease							
	Dividends are recorded when the corporation declares the dividend payable							
	Fines and penalties are recorded when the recipient has an unconditional claim to the funds							
	Transactions in nonfinancial assets are recorded when economic ownership of the assets changes							
	Where there is a material difference between when goods are purchased and used, they are first recognized as inventories before being expensed							
	Consolidation							
	Internal transactions within an institutional unit are consolidated and not recorded							
	Transactions between units within a subsector are consolidated and not recorded in the GFS for that subsector							
	Transactions between government (or public sector) subsectors are consolidated and not recorded in the GFS for the general government sector (or public sector)							
	Internal stock positions within an institutional unit are consolidated and not recorded							
	Stock positions between units within a subsector are consolidated and not recorded in the GFS for that subsector							
	Stock positions between government (or public sector) subsectors are consolidated and not recorded in the GFS for the general government sector (or public sector)							
C. Methods								

ISSs methods are closely associated with concepts accounting rules. One way to interpret a method is to view it as the way a macroeconomic accountant implements an accounting rule or measures a concept. For example, one compiler may decide to report taxes using a time adjusted cash method and another following the assessment/declaration approach. Both are following the same accrual time of recording accounting rule, but both have used different methods to apply the rule.

	Taxes are recorded using either the time-adjusted cash method or the assessment/declaration approach (see GFSM 2014 para. 3.80)						
	Costs incurred in own-account capital formation are treated solely as transactions in nonfinancial assets and are excluded from expense						
	Employment-related pension liabilities are calculated using an actuarial approach (and related property expenses, and employers' social contributions within compensation of employees, imputed)						
	Dividend payments are assessed using the "superdividend test" and split between revenue/expense and transactions in financial assets/liabilities, as required						
	Capital injections are assessed using the "capital injection decision tree" and split between expense/revenue and transactions in financial assets/liabilities, as required						
	The nature of leases is carefully examined in order to distinguish operating leases from financial leases						
	The risk and reward assessment of Public-Private Partnerships (PPPs) is conducted to determine whether or not the assets should be on the public sector balance sheet						

IV. GFS Alignment Framework – Classifications & Accounts/Tables

Category	Sub-Category	Reported (Y/N)	Timeliness	Level of Detail	Omissions (if applicable)
Presentation: Accounts and Tables (includes classifications)					
	Statement of Operations	Y/N			
	Revenue	Y/N			
	Expense	Y/N			
	Transactions in Nonfinancial Assets, Financial Assets, and Liabilities	Y/N			
	Expenditure by COFOG	Y/N			

	- including, Cross-Classification of Expenditure by Function (COFOG) and Economic Classifications	Y/N			
	Statement of Sources and Uses of Cash	Y/N			
	Statement of Other Economic Flows	Y/N			
	Balance Sheet	Y/N			
	Integrated Statement of Flows and Stock Positions	Y/N			
	Statement of Total Changes in Net Worth	Y/N			
	Summary Statement of Explicit Contingent Liabilities and Net Implicit Obligations for Future Social Security Benefits	Y/N			
	Gross Debt at Market, Nominal, and Face Value	Y/N			
	Net Debt at Market, Nominal, and Face Value	Y/N			
	Counterparty of Transactions in Financial Assets and Liabilities by Institutional Sector	Y/N			
	Counterparty of Stocks in Financial Assets and Liabilities by Institutional Sector	Y/N			