



STATISTICS

**INTER SECRETARIAT
WORKING GROUP ON
NATIONAL ACCOUNTS**

Global value chains (GVCs) and trade in value added (TiVA) (G.7)

International Workshop on the Update of the System of
National Accounts, 2008

Kunming, China
September 6-8, 2022

Outline

- **Background**
- **Issues Discussed**
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- **Global Consultation Outcomes**
- **Outcomes of Committee and AEG Consultation**

Background: Global value chains (GVCs) and trade in value added (TiVA)



Production chains spanning across countries: opportunities to maximize production efficiency



Growing scale of cross-border trade and divergence between gross flows and additions of net exports to value added.



National data can only map the national value chain; the GVC satellite account and TiVA statistics take the whole value chain into account.

- ❖ POLICY DEMAND FOR MORE STATISTICAL INFORMATION ON GVCs HAS GROWN SIGNIFICANTLY
- ❖ MUCH HAS BEEN WRITTEN ON THIS TOPIC.

Issues Discussed

To better account for interlinked core production activities and supporting services activities, the guidance note (GN) does not recommend any changes to the core *2008 SNA* and *BPM6* concepts.

The GN recommends including a **description of GVCs and TiVA** in the next set of manuals.

Supplementary information for analysis recommended.

Within SNA, to better understand GVC's at both a national and global level, the GN favors building

- ✓ **TiVA indicators**, addressing the double counting implicit in gross flows of trade,
- ✓ **GVC satellite account**
- ✓ More granularity using the extended supply and use tables (**eSUTs**)

Within the BPM, supplemental cross-border statistics detailed by geography and by product have been proposed and agreed by the Committee in 2019 as part of a reporting template for GVC data collection. CATT GN C.2 discusses the reporting template.

Recommendations(1)

- **No conceptual changes are required** to the central SNA and BPM framework to account for GVCs.
- Conventional gross international trade flows should remain as the featured measures of cross-border trade because of their important role in calculating a country's overall trade balance and GDP.
- TiVA estimates can be viewed as a macro approach that requires a massive international effort to link country/regional SUTs with international trade statistics.
- eSUTs can help improve on these estimates through a focus on targeted aggregations that better address challenges around homogeneity assumptions.
- GVC satellite account can be viewed as a more targeted bottom-up approach focusing on a GVC for a specific product/industry or group of products/industries produced within a GVC.

Recommendations and links to other GNs (2)

In 2019, the Committee supported detailed BOP statistics needed for GVC analysis as part of the Working Group on Balance of Payments Statistics relevant for GVCs (WG-GVC).

- IMF and OECD prepared a **reporting template**, which has been included in Current Account Task Team (CATT) [GN C.2](#).
 - ✓ C.2 recommended a framework to highlight the role of Multinational Enterprises (MNEs) in the current account
 - ✓ Covers both trade in goods and services and direct investment (DI) income.
- CATT and GZTT GN C.4 makes recommendations on the **treatment of factoryless goods producers**.
- DITT [GN D.6](#) makes recommendations for the **identification of the ultimate investor** that could be used in implementing the proposed breakdown of the current account for direct investment income.
- GZTT [GN G.2](#) provides a **definition of MNE**.

Global Consultation Outcomes (1/2)

- 56 responses from 56 economies were received from both balance of payment and national accounts compilers.
 - ✓ Strong support that no changes are needed to the concepts of the SNA and BPM to support GVC analysis (70 percent).
 - ✓ Wide support for including descriptions of GVCs and TiVA in the next set of manuals (80 percent).
 - ✓ Strong support that the GN adequately summarizes the work done in this area (70 percent).
 - ✓ Strong majority supported the inclusion of all three proposals of the GN within the SNA, namely:
 - (i) TiVA indicators (67 percent)
 - (ii) GVC satellite account (64 percent)
 - (iii) more granularity using eSUTs (68 percent)

Global Consultation Outcomes (2/2)

Practical considerations:

- Majority of respondents (56 percent) said that a GVC satellite account would not be achievable in their country using the current data sources and statistical infrastructure.
 - Main impediments: access to data (23 respondents), staff resources and statistical infrastructure (17 respondents each).
- However, 25 percent stated that they could produce a GVC satellite account using their current data sources and statistical infrastructure.
- Many respondents considered the production of eSUTs achievable with their current data sources and statistical infrastructure (43 percent), 40 percent did not believe eSUTs were achievable.
 - Main impediments: staff resources (13 respondents), access to data and statistical infrastructure (12 respondents each)

March 2022 Joint AEG and Balance of Payments Committee Decisions

Both Committee and AEG members unanimously agreed with all proposals put forward in the GN:

- ✓ Include descriptions of GVCs and TiVA in the next set of manuals and supporting the development of supplementary information.
- ✓ Some members underscored that the supplementary information should remain voluntary based on countries' varying statistical capacity and resources.
- ✓ Pleaded for **International Organizations to commit to maintaining the statistical infrastructure** to produce Inter-Country Input-Output tables (ICIOs) to create indicators on GVCs or other indicators relevant for users and policy analyses.

Endorsed and posted on BPM [update](#) and [SNA update](#) webpages.

No testing of the GN is required.