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The TSA-Standard-Tables

Measuring Tourism supply



Measurement of tourism supply:

- TSA-Table 5
- TSA-Table 6



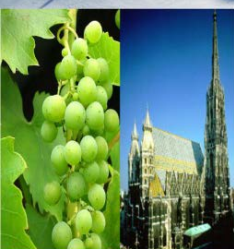
TSA-Standard-Table 5: Production accounts of tourism and other industries (at basic prices)



SUBJECT MATTER:

- TSA-Table 5 presents the **production accounts of tourism industries** (incl. “retail trade of country-specific tourism characteristic goods” and “other country-specific tourism industries”).
- The accounts are available, suitable for **comparison with internal tourism consumption (TSA-Table 4)**, where tourism industries and tourism characteristic products are highlighted and imbedded within a general framework of analysis.
- The **structure of the Supply-Use matrix** follows the requirements of **SNA**:
 - Rows show the commodities.
 - Columns illustrate the corresponding activities.

TSA-Standard-Table 5: Production accounts of tourism and other industries (at basic prices)



Products	TOURISM INDUSTRIES														Other industries	Output of domestic products (at basic prices)	
	1- Accommodation for visitors	1-a. accommodation services for visitors except in 5-b	1-b. accommodation services associated with all types of vacation home ownership	2- Food and beverage serving industry	3- Railway passenger transport	4- Road passenger transport	5- Water passenger transport	6- Air passenger transport	7- Transport equipment rental	8- Travel agencies and other reservation services industry	9- Cultural industry	10- Sports and recreational industry	11- (non-tourism) country-specific tourism characteristic goods	12- Country-specific tourism industries			TOTAL
	(1.1)	(1.1a)	(1.1b)	(1.2)	(1.3)	(1.4)	(1.5)	(1.6)	(1.7)	(1.8)	(1.9)	(1.10)	(1.11)	(1.12)	(1.13)	(1.14)	(1.15) = (1.13) + (1.14)
A. Consumption products (*)																	
A.1 Tourism characteristic products																	
1- Accommodation services for visitors																	
1a- Accommodation services for visitors other than 1b																	
1b- Accommodation services associated with all types of vacation home ownership																	
2- Food and beverage serving services																	
3- Railway passenger transport services																	
4- Road passenger transport services																	
5- Water passenger transport services																	
6- Air passenger transport services																	
7- Transport equipment rental services																	
8- Travel agencies and other reservation services																	
9- Cultural services																	
10- Sports and recreational services																	
11- Country-specific tourism characteristic goods																	
12- Country-specific tourism characteristic services																	
A.2 Other consumption products (a)																	
B. Non consumption products																	
B.1 Valuables																	
B.2 Other non consumption products (**) (b)																	
I. TOTAL OUTPUT (at basic prices)																	
II. TOTAL INTERMEDIATE CONSUMPTION (at purchasers price) (c)																	
(I - II) TOTAL GROSS VALUE ADDED (at basic prices)																	
Compensation of employees																	
Operating less subsidies on production																	
Gross mixed income																	
Gross operating surplus																	

(*) The value of A. Consumption products, is net of the gross service charges paid to travel agencies, tour operators and other reservation services.

(**) Includes all other goods and services that circulate in the economy of reference.

(*) If relevant and feasible, countries should separately identify both components: "tourism connected products" and "non-tourism related consumption products". In both cases, goods and services should be separately identified, if possible (see para. 4.15).

(b) Goods and services should be separately identified, if possible (see para. 4.15).

(c) Breakdown by products should be provided, if possible (see para. 4.17).

TSA-Standard-Table 5: Production accounts of tourism and other industries (at basic prices)



Goods and Services	Tourism-industries				Other industries	Total output of domestic producers
	1	...	12	Σ		
Tourism characteristic goods and services						
Other consumption goods and services						
Valuables						
Output						
Intermediate consumption						
Gross Value Added (GVA)						

Basic/producers prices



Working steps:

- Structure: Input-Output-Table (might be revised by Supply-Use-Tables (SUT))
- Key figures related to output and GVA from NA statistics (basis for extrapolation of IO and SUT)
- Reclassification according to TSA Recommended Methodological Framework 2008



Measurement of tourism supply:

- TSA-Table 5
- TSA-Table 6



TSA-Standard-Table 6: Total domestic supply and internal tourism consumption (at purchasers' prices)

SUBJECT MATTER:

- TSA-Standard-Table 6 is the core of the TSA system, where the **confrontation between supply** (Table 5) and **internal tourism consumption** (Table 4) takes place.
- On this basis, computations of Tourism Direct Gross Value Added (TDGVA) and Tourism Direct GDP and their components can be performed.
- The **rows** of the table are similar to those of **TSA-Standard-Table 5**. That is, the first block of rows details output by tourism characteristic products.
- A block of **rows** shows **intermediate consumption** by product and a total.
- The last block of **rows** presents the **components** of “Total Gross Value Added” (**GVA**).



TSA-Standard-Table 6: Total domestic supply and internal tourism consumption (at purchasers' prices)



Products	TOURISM INDUSTRIES												Other industries		Output of domestic producers (at basic prices)		Imports*		Taxes less subsidies on products produced and imported		Trade and transport margins		Domestic supply at purchasers' prices	Internal tourism consumption	Tourism ratio (%)
	1 - Accommodation for visitors		2 - a. accommodation services for visitors except in 5-b		5-b. accommodation services also covered with all types of tourism (home ownership)		***		12 - Country specific tourism industries		TOTAL														
	output (S. 1)	tourism share (S. 1a)	output (S. 1b)	tourism share (S. 1b)	output (S. 1c)	tourism share (S. 1c)	output (S. 1d)	tourism share (S. 1d)	output (S. 1e)	tourism share (S. 1e)	output (S. 1f)	tourism share (S. 1f)	output (S. 1g)	tourism share (S. 1g)	output (S. 1h)	tourism share (S. 1h)	output (S. 1i)	tourism share (S. 1i)	output (S. 1j)	tourism share (S. 1j)	(S. 4) = (S. 1i) + (S. 1j) + (S. 3)	(S. 3)	(S. 5) = (S. 4) x 100 (S. 6)		
A. Consumption products (*)																									
A.1 Tourism characteristic products (d)																									
1 - Accommodation services for visitors																									
1a - Accommodation services for visitors other than 1b																									
1b - Accommodation services associated with all types of vacation home ownership																									
2 - Food and beverage serving services																									
3 - Railway passenger transport services																									
4 - Road passenger transport services																									
5 - Water passenger transport services																									
6 - Air passenger transport services																									
7 - Transport equipment rental services																									
8 - Travel agencies and other reservation services																									
9 - Cultural services																									
10 - Sports and recreational services																									
11 - Country-specific tourism characteristic goods		X		X		X		X		X		X		X		X		X							
12 - Country-specific tourism characteristic services																									
A.2 Other consumption products (a)(d)																									
B. Non-consumption products (d)																									
B.1 Valuables		X		X		X		X		X		X		X		X		X							
B.2 Other non-consumption products (*) (b)(d)																									
I. TOTAL OUTPUT (at basic prices)																									
II. TOTAL INTERMEDIATE CONSUMPTION (at purchasers' price) (c)																									
(I - II) TOTAL GROSS VALUE ADDED (at basic prices)																									
Compensation of employees																									
Other taxes less subsidies on production																									
Gross fixed income																									
Gross operating surplus																									

X: does not apply

*** Means that all tourism industries of the proposed list have to be considered one by one in the enumeration
* Imports excludes direct purchase of residents abroad

(*) The value of A. Consumption products is net of the gross service charge paid to travel agencies, tour operators and other reservation services.

(*) Includes all other goods and services that circulate in the economy of reference.

(a) If relevant an feasible, countries should separately identify both components ("Tourism connected products" and "non-tourism related consumption products"). In both cases, goods and services should be separately identified, if possible (see para. 4.16).

(b) Goods and services should be separately identified, if possible (see para. 4.16).

(c) Breakdown should be provided, if possible (see para. 4.17).

(d) For goods, the tourism share is to be established on the retail trade margin only (see Annex 4)

TSA-Standard-Table 6: Total domestic supply and internal tourism consumption (at purchasers' prices)



Total Supply and Internal Tourism Consumption by Products

Goods and services	Tourism-characteristic industries				Other industries	Total output of domestic producers + Imports + Taxes less Subsidies	Total output of domestic producers	Internal tourism consumption (TSA-Table 4)	Tourism ratio
	1	...	12	Σ					
Tourism characteristic goods and services									
Other consumption goods and services									
Valuables									
Output									
Intermediate consumption									
Gross Value Added (GVA)									
Gross Value Added (GVA) of Tourism									Σ

Basic/producers prices

Purchasers prices

= Gross Valued Added (GVA) * Tourism ratio

TSA-Standard-Table 6: Total domestic supply and internal tourism consumption (at purchasers' prices)



Tourism Direct Gross Domestic Product (TDGDP):

- **TDGDP** can be **defined** as the value added generated by tourism industries and other industries of the economy that **directly** serves visitors in response to internal tourist consumption.
- TDGDP includes the **proportion of value added** generated by all industries in the process of the provision of goods and services to **visitors** or would-be visitors, or to third parties for their benefit.
- The starting point of the calculation of TDGDP is **TSA-Table 6**, which shows products characteristic of tourism on the supply as well as on the use (demand) side (internal tourism consumption; **TSA-Table 4**).

TSA-Standard-Table 6: Total domestic supply and internal tourism consumption (at purchasers' prices)



- To calculate the “**tourism ratio**” of any given supply of commodities the amount purchased by tourists is related to the total supply of the respective commodity.
- “Tourism ratios” **ranged** from nearly 100 percent for “accommodation services” to less rates for other services which indicates a relatively high proportion of non-tourist use in such a sector (i.e. passenger transport).
- These “**tourism ratios**” applied to the “Gross Value Added” of the “symmetrically” corresponding industry in **TSA-Table 5/6**, the **Tourism Direct GVA** of each industry result; the sum of the respective tourism and other industries is “part of the overall GDP” and called “Tourism Direct Gross Domestic Product” (**TDGDP**).

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