

# Measuring the International Supply of Services by GATS Modes

Beijing, China, 24 October 2011 WTO statistics@wto.org

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# Measuring the International Supply of Services by GATS Modes



- Background and information needs ....What are the GATS modes of supply? And mode 4?
- Value: what can we expect in the (not too distant?) future?
  - Simplified allocation (with little resources)
  - Doing more: implementing data collection
  - Some country experiences
- Additional indicators to assess trade in services commitments

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## GATS: What do we need to measure?



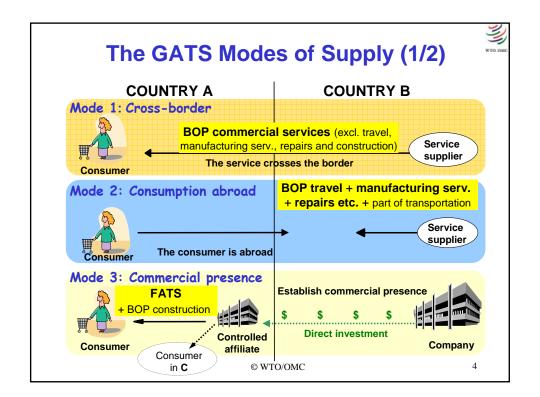
Value of the international supply of services and additional indicators (in particular mode 4)

By service product (or activity if not possible)



- By modes of supply
  - Mode 1: Cross-border trade
  - Mode 2: Consumption abroad
  - Mode 3: Commercial presence
  - Mode 4: Presence of natural persons
- By partner
- By relation between the parties

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## The Presence/Movement of Natural Persons in GATS

#### Relevant framework

- GATS' main text: mode 4→ presence of natural persons
- GATS' Annex→ movement of natural persons

#### **Description of Mode 4 in main text and annex**



Fulfilling <u>directly</u> a service contract, whether as a service supplier (**self-employed**) or as an **employee** 

*Indirectly*: Presence *instrumental* to supply of service: through commercial presence or supply at a later stage



**Temporary**: Rules regarding citizenship, migration, residence and permanent employment are not covered

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## Mode 4 categories in statistical framework?

#### Contractual service suppliers

- Self-employed (independent) service suppliers
- Employees of foreign service suppliers

Intra-corporate transferees and persons directly recruited by the foreign affiliate

Services sellers / Persons responsible for setting up commercial presence

### Areas of uncertainty

- difference between employment and service contract
- what does constitute a service?
- many commitments currently focus on highly-skilled workers

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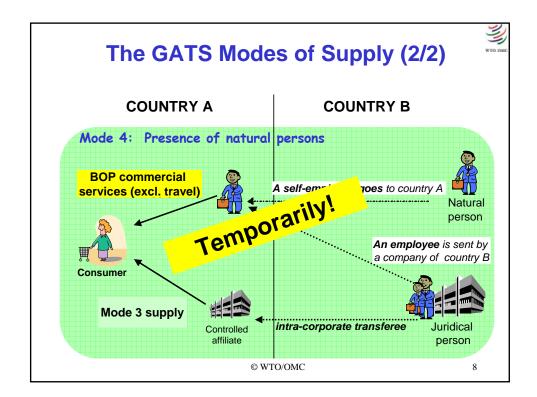


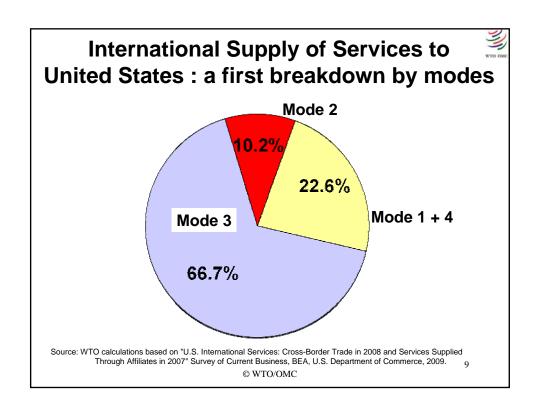


#### The size of mode 4 trade?

- Small compared to total trade, and to other modes of trade in services (is the most restricted)
- Importance varies across countries and sectors
- Mobility for skilled workers increasing and facilitated by special programs
- Both developed and developing countries are traders where mode 4 can be involved

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#### **Labour mobility**

Value: Compensation of employees

Workers remittances

BPM6: Personal transfers

#### **Trade in services**

Services categories

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#### **Intermodal linkages**

#### Services may be delivered through

several modes of supply









A single service transaction through different modes

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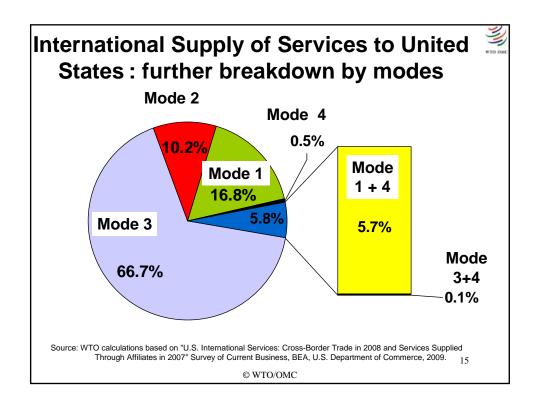
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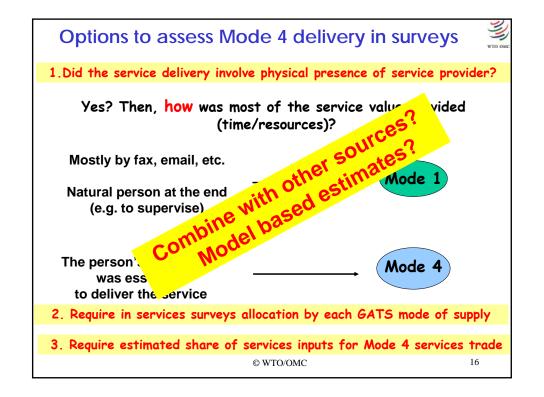
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#### Simplified allocation of FATS and EBOPS data to modes of supply (1/2) FATS (sales or output) \* Balance of payments trade in services Mode(s) 4 1 and 4 2 and 4 3 and 4 Mode Manufactacturing serv. on inputs owned by others Maintenance and repair services n.i.e. Transport Χ PassengerFreight Post and courier services -Serv. to domestic carriers in foreign ports (and vice-versa) Travel Goods Local transport services Accommodation services Food-serving services Other services Construction Х Goods Services X X X Insurance and pension services Financial services Charges for the use of intellectual property n.i.e. \*\* \* In territory where affiliate established. If not possible to breakdown by EBOPS 2010 product, by activity using ICFA Rev.1 \*\* Certain degree of uncertainty regarding certain charges

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Simplified allocation of I	FATS a	nd	EBC	)PS (	data	
to modes of si	upply	(2/2)	2)			WIO
	FATS (sales or output)	Balance of payments trade in services				
	Mode 3	1		?(s 4	) 2 and 4	3 and 4
Telecom., computer, and information services	X		~ <i>I</i> '			
Telecommunications services	X	ed'	<b>O</b> .			
Computer services		.ev				
Information services	1.2	,				
Other business services	- Do			Х		
Research and development services	$\sim$ $\sim$	a . • • ·		Х		
Professional and management consulting services	O. 194	0.		Х		
Technical, trade-related and other business service	" do					
-Architectural, engineering, scientific, other to	~U			Х		NGE
-Waste treatment -depollution, agri. and	(19 ×					164
Waste treatment and de-pollution	Х				. C	
Services incidental to ac	X		X		سار.	
o Serv. incidental to	X		Х		Vr.	
- Operational least	X	Х		· Cr		
- Trade-related s	X	Х				
- Other business s	X			T X		
Personal, cultural ar services	X			Х		
Government goods //ces n.i.e.						
Government goods n.i.edits and debits						
Government services n.i.e., Credits						
Government services n.i.e., Debits				1		
Commercial services purchased in host economies						
Government units in diplomatic and similar enclaves				Х		
Personnel from home economy and dependants			X	V		
Other commercial serv. n.i.e purchased by government				X		
Non-commercial services acquired by government     Distribution (wholesale, retail trade) services	X	X				
Distribution (Wholesale, retail trade) services	<b>A</b>	٨		1		
© WTO/OMC 14						





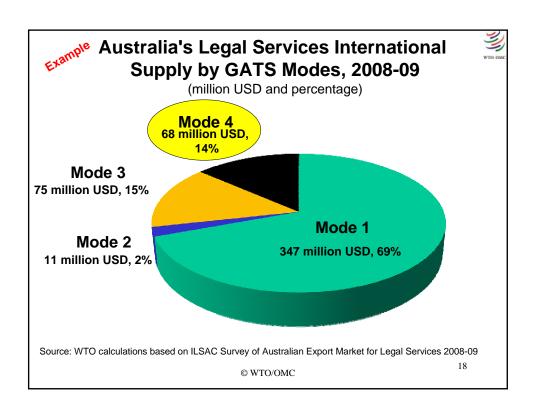


# Computer Services, IT Enabled Services and BPO by Mode, 2008-09

Size of transactions	Amount (million USD)			Per cent Share in Total					
(million USD)	Mode 1	Mode 2	Mode 3	Mode 4	Total	Mode 1	Mode 2	Mode 3	Mode 4
< 0.2	37	0	6	1	44	83.2	0.0	13.9	3.0
0.2-2.2	447	5	43	18	513	87.1	0.9	8.4	3.6
2-22	1930	0	225	111	2266	85.2	0.0	9.9	4.9
> 22	22194	28	7051	11592	40865	54.3	0.1	17.3	28.4
Total	24607	32	7326	11723	43688	56.3	0.1	16.8	26.8

Source: Reserve Bank of India (2010), converted to US dollars by WTO.

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# Estimating the international supply of services by mode: a long-term process?

- Simplified allocation: MSITS 2010 table 5.2 as start guide for <u>compilers</u> for first estimation (have knowledge of services trade in their economy)
- 2. Further refine

Anecdotal information, discuss with business associations, major players, users (hint: evaluating mode 4 is key)

- 3. Develop survey for specific (important) service Joint development? Use results to refine BOP? Collect additional data (e.g. details, quantitative information)?
- 4. Use BOP trade in services or business survey Selection of services? Full-fledge? Exports and imports? Census approach? Joint development?

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## Additional indicators to analyze the international supply of services



- Sectoral statistical frameworks: tourism, health, etc.
- Production, quantitative, employment indicators
- on Mode 3: FDI stocks, flows in services, number of foreign affiliates, employees, value of assets etc. (FATS)
- on Mode 4: Number (stocks and flows) of persons
  - Tourism and migration statistical frameworks for defining, with some amendments necessary
  - Possible sources:
    - Migration authorities or other administrative sources
    - Household, labour force, border/passenger surveys
    - Trade in services or more generally business surveys?

Need to clearly define "mode 4" questions/categories in existing data sources!

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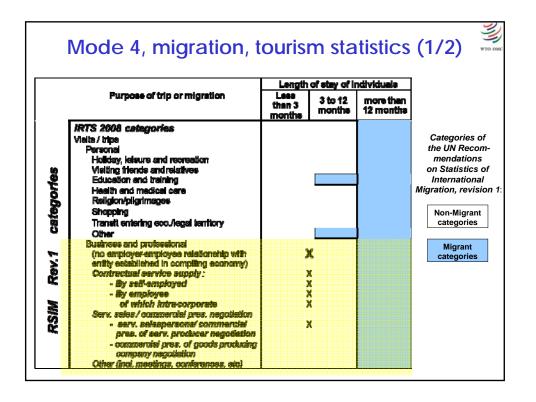
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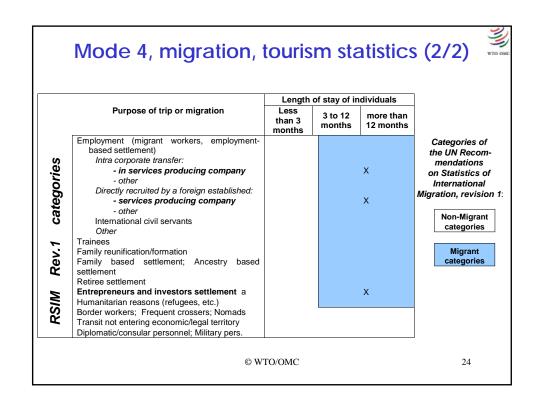
## For which categories should we measure the number of mode 4 persons?



Natural persons	Number of persons		
Contractual services suppliers			
-Self-employed	Yes		
- Employees of foreign service suppliers			
Intra-corporate transferees and directly recruited by foreign affiliate	Yes		
Services sellers -			
Persons responsible for setting up	Yes (less important)		

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# RECOMMENDATIONS OF MSITS 2010 To measure modes of supply



- FATS: Mode 3; BOP essentially to Modes 1,2, and 4 (except construction); BOP construction to modes 3 and 4;
- Each BOP service transaction to the dominant mode;
- Allocate services transactions to modes of supply according to EBOPS. If not possible allocate the 12 main BPM6 categories and the estimate of distribution services;
- Estimate distribution services;
- Other indicators for analysis, e.g.: Number of persons for mode 4 for all categories (migration/tourism statistics).

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