UNESCAP Time/Cost-Distance Methodology

Preparation for TCD study

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Presentation outline



Steps required at the stage of preparation for Time/Cost-Distance study

- Defining the survey method
- Defining on the team or consultant or institution to conduct the study
- Choice of data sources
- Defining the commodity/commodities for the study
- Selection of the transport corridor or route

The survey method:

Self-answering questionnaire

 \checkmark if respondents can freely and willingly provide data

Access to respondents

✓ Obtaining direct access to respondents by face-to-face meetings or telephone interviews

Institution for the study

- Association of transport carriers or freight forwarders
- University or research institute
- Individual consultant or team of consultants
- Government authority

Sources of data :

- Trip diaries
- Independent survey
- Interviews
- Demonstration runs
- Pre-available data
- Government authorities' databases
- Satellite positioning records

Data required:

- Origin and destination of the cargo
- Full routeing from origin to destination, with indication of the places where the cargo is essentially stationary (such as border crossings and points of intermodal transfer)
- Mode of transport for each leg
- Distances involved for each leg
- Transit time for each leg (in hours or days)
- Cost or quotes for each leg

Data validity :

- Data triangulation, i.e. using different data sources
- Sampling, i.e. multiple shipment of the same products
- Multiple measurements at the same corridor/route

Defining the commodity (commodities):

- Top 5 commodities
- Seasonality factor
- Means of transport

Ranking the commodity (commodities):

	Commodity	Value	Volume	Transport mode
T				
2				
3				

Defining the corridor routes:



Thank you!