Mini-presentation on SPPIs for “Warehousing and support activities” in France

28th Voorburg Group Meeting
Tokyo, Japan

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Structure of the presentation

Introduction.

1. Definition of service being priced
2. Unit of measure to be priced
3. Market conditions and constraints
4. Standard classification structure and product details/levels
5. Evaluation of standard vs. definition and market conditions
6. National accounts concepts and measurement issues related to GDP measurement
7. Pricing methods and criteria for choosing various pricing methods
8. Dissemination
Introduction

SPPIs produced in France in the class 52.0:

- **Warehousing and storage** (ISIC 4.0: 5210; NACE Rev 2: 52.10)
- **Cargo handling** (ISIC 4.0: 5224; NACE Rev 2: 52.24)

And soon, **Service activities incidental to land transportation** (ISIC 4.0: 5221; NACE Rev 2: 52.21)
1. Definition of service being priced

52.10 - Warehousing and storage.

Goods can be stored
- in bulk: cereals, grains, ore (iron, coal,...), and others as wood, metallurgical products, machines or cars
- in pallets or containers
- in tanks: fluids as chemicals or petroleum products

Food products can be stored in refrigerated warehouses

Additional services:
- input/output of the storage space
- palletization, containerization or freezing (food products)
- stock management, order picking, packing and loading (mail-order selling)
- treatment with additives and colorants (petroleum products)
1. Definition of service being priced

52.24 - Cargo handling.

Cargo handling of goods:

- from a platform to a ship, or a river barge, or a train, or a truck and vice versa
- in containers, pallets, tanks or in bulk

Additional services:

- palletizing, or containerization
- treatment with additives or colorants (petroleum)
2. **Unit of measure to be priced**

52.10 - *Warehousing and storage.*

Containers, pallets:
- price by a movement (input/output)
- price by period

Cereals, grains, minerals or non pallettized food products
- price by weight

Large-sized goods
- price by busy volume or busy surface

Parcels
- by order line, or by parcel (input/output)
- stock management, order picking, packing and loading is generally included
2. Unit of measure to be priced

52.24 - Cargo handling.

Containers or pallets:
- Flat rate
- Stevedoring and picking included

Goods in bulk
- Price by volume or weight
- Price depends on the destination

Loading/unloading cars
- Price by car or hourly wage-out rate
3. Market conditions and constraints

52.10 - Warehousing and storage.
72 enterprises in the sample, turnover > 8 500 k€
248 transactions collected
2 sub-classes:

52.10A - Refrigerated warehousing and storage

<table>
<thead>
<tr>
<th>product</th>
<th>turnover (k€)</th>
<th>percent</th>
<th>sector</th>
</tr>
</thead>
<tbody>
<tr>
<td>5210A</td>
<td>763 422</td>
<td>61%</td>
<td>5210A</td>
</tr>
<tr>
<td>5210A</td>
<td>263 745</td>
<td>21%</td>
<td>5210B</td>
</tr>
<tr>
<td>5210A</td>
<td>72 506</td>
<td>6%</td>
<td>1011Z</td>
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<tr>
<td>5210A</td>
<td>146 547</td>
<td>12%</td>
<td>others</td>
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<tr>
<td>5210A</td>
<td>1 246 220</td>
<td>100%</td>
<td>TOTAL</td>
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ESANE survey 2011
3. Market conditions and constraints

52.10 - Warehousing and storage.

52.10B - Non-refrigerated warehousing and storage

<table>
<thead>
<tr>
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<th>turnover (k€)</th>
<th>percent</th>
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<tr>
<td>5210B</td>
<td>7 457 422</td>
<td>83%</td>
<td>5210B</td>
</tr>
<tr>
<td>5210B</td>
<td>397 354</td>
<td>4%</td>
<td>5229B</td>
</tr>
<tr>
<td>5210B</td>
<td>246 452</td>
<td>3%</td>
<td>4941A</td>
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<td>5210B</td>
<td>149 776</td>
<td>2%</td>
<td>2229A</td>
</tr>
<tr>
<td>5210B</td>
<td>777 811</td>
<td>9%</td>
<td>others</td>
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<tr>
<td>5210B</td>
<td>9 028 816</td>
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</table>

ESANE survey 2011
3. Market conditions and constraints

52.24 - Cargo handling.

52 enterprises in the sample, turnover > 5 000 k€
145 transactions collected
2 sub-classes:

52.24A - Dock work

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</thead>
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<td>5224A</td>
<td>53 642</td>
<td>4%</td>
<td>5222Z</td>
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<tr>
<td>5224A</td>
<td>18 949</td>
<td>2%</td>
<td>8121Z</td>
</tr>
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<td>5224A</td>
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<td>35 272</td>
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<td>others</td>
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<td>5224A</td>
<td>1 227 852</td>
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</table>

ESANE survey 2011
3. Market conditions and constraints

52.24 - Cargo handling.

52.24B - Other handling

<table>
<thead>
<tr>
<th>product</th>
<th>turnover (k€)</th>
<th>percent</th>
<th>NAF</th>
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<td>686 989</td>
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<tr>
<td>5224B</td>
<td>79 470</td>
<td>9%</td>
<td>4941A</td>
</tr>
<tr>
<td>5224B</td>
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<td>others</td>
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<tr>
<td>5224B</td>
<td>891 106</td>
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</table>

ESANE survey 2011
4. Standard classification structure and product details/levels

52.10 - Warehousing and storage.

Detailed description of the class 52.10:

This class includes:
- operation of storage and warehouse facilities for all kinds of goods:
- operation of grain silos, general merchandise warehouses,
  refrigerated warehouses, storage tanks etc.
This class also includes:
- storage of goods in foreign trade zones
- blast freezing
This class excludes:
- parking facilities for motor vehicles, see 52.21
- operation of self storage facilities, see 68.20
- rental of vacant space, see 68.20
4. Standard classification structure and product details/levels

Standard classification 52

52 Warehousing and support activities for transportation
  52.1 Warehousing and storage
      52.10 Warehousing and storage
  52.2 Support activities for transportation
      52.21 Service activities incidental to land transportation
      52.22 Service activities incidental to water transportation
      52.23 Service activities incidental to air transportation
      52.24 Cargo handling
      52.29 Other transportation support activities
4. Standard classification structure and product details/levels

52.10 - Warehousing and storage.

Aggregation tree

- 5210
  - 100 refrigerated warehousing
  - 1000 fresh and refrigerated food products
    - 1010 fresh food products
    - 1020 refrigerated food products
  - 2000 food products
    - 2010 wine, alcoholic beverages and spirits
    - 2020 other food products
    - 2030 cereals and grains (including flours)
  - 3000 frequently purchased non-food goods
    - 3010 frequently purchased non-food goods
    - 3020 pharmaceuticals
  - 4000 intermediate and capital goods
    - 4010 palletizable industrials products
    - 4020 non-palletizable large-sized products (machines, car, ...)
    - 4030 solid bulk goods (including building materials and row wood)
    - 4040 products in tank (oil, chemicals, ...)
    - 4090 other intermediate and capital goods

- 5210 non-refrigerated warehousing
  - 200
  - 3000 frequently purchased non-food goods
    - 3010 frequently purchased non-food goods
    - 3020 pharmaceuticals

“Warehousing and support activities” in France
4. Standard classification structure and product details/levels

52.24 - Cargo handling.

Detailed description of the class 52.24

This class includes:
- loading and unloading of goods or passengers' luggage
  irrespective of the mode of transport used for transportation
- stevedoring
- loading and unloading of freight railway cars

This class excludes:
- operation of terminal facilities, see 52.21, 52.22 and 52.23
4. Standard classification structure and product details/levels

52.24 - Cargo handling.

Aggregation tree

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<table>
<thead>
<tr>
<th></th>
<th></th>
<th>100</th>
<th></th>
<th>200</th>
<th></th>
<th>300</th>
<th></th>
<th>400</th>
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<tr>
<td></td>
<td></td>
<td>dock work</td>
<td></td>
<td>other dock work</td>
<td></td>
<td>airport handling</td>
<td></td>
<td>other handling</td>
<td></td>
<td>cargo handling</td>
</tr>
<tr>
<td>100</td>
<td></td>
<td>1000</td>
<td>sea dock work</td>
<td>1010</td>
<td>containers</td>
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<td>palettized manufactured product</td>
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<td>other dry bulk</td>
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<td></td>
<td>1090</td>
<td>other products (wood, petroleum products,…)</td>
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<tr>
<td>200</td>
<td></td>
<td>2010</td>
<td>from dock to lorry (and vice-versa)</td>
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<td>2020</td>
<td>from dock to train (and vice-versa)</td>
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<td>2030</td>
<td>from dock to river barge (and vice-versa)</td>
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<tr>
<td>300</td>
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<td>3010</td>
<td>airport handling</td>
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<td>4020</td>
<td>rail handling</td>
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<td>4090</td>
<td>non stevedoring</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
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5. Evaluation of standard vs. definition and market conditions

52.10 - Warehousing and storage.

Some examples of transactions:

- Non refrigerated warehousing of food products in pallets, 3-year contract, price per pallet for a week, large-scale food retailing

- Refrigerated warehousing (-20°C) of food products in pallets and picking with pallet truck, price for one input or one output per pallet, food-processing industry, annual contract

- Chemicals or petroleum derived products, in bulk, input or output in situ, price per m3, contract 1-15 years
5. Evaluation of standard vs. definition and market conditions

52.24 - Cargo handling.

Some examples of transactions:

- Dock work of containers, loading or unloading from platform to ship, price per container, annual contract with shipowner, shipping companies

- Loading of bulk coal from platform into truck, weighing, price per tonne for more than 600 kt

- Dock work of cars, loading or unloading from platform into roll-on roll-off ship, price per car including picking and stevedoring during the week, 1-year contract
6. National accounts concepts and measurement issues related to GDP measurement

Volume indice :
IPST, transport service producer indice

Price indice :
IPTFE, freight transport and warehousing price indice

<table>
<thead>
<tr>
<th>2008 amounts</th>
<th>52.10A Refrigerated warehousing and storage</th>
<th>52.10B Non-refrigerated warehousing and storage</th>
<th>52.24 Cargo handling</th>
</tr>
</thead>
<tbody>
<tr>
<td>production at basic price imports</td>
<td>1088</td>
<td>7976</td>
<td>2411</td>
</tr>
<tr>
<td>SUPPLY</td>
<td>1088</td>
<td>7976</td>
<td>2990</td>
</tr>
<tr>
<td>intermediate consumption exports</td>
<td>1088</td>
<td>7976</td>
<td>2499</td>
</tr>
<tr>
<td>USE</td>
<td>1088</td>
<td>7976</td>
<td>2990</td>
</tr>
</tbody>
</table>
7. Pricing methods and criteria for choosing various pricing methods

For warehousing and storage or for handling:

- pallets and containers: the price set is a quarterly average that generally stretch over a year, following the evolution of the costs recorded

- large-sized goods stored in bulk: a model transaction is defined with the inquirer

- chemicals or petroleum products: according to the busy volume, price increased if treatment (additives, colorants)

- hourly charge-out rate: car handling, packing
8. Dissemination

French services producer price indices sold to French businesses (BtoB) - Basic price - CPA 52.10 - Warehousing and storage services - Reference 2010

French services producer price indices sold to French businesses (BtoB) - Basic price - CPA 52.24 - Cargo handling services - Reference 2010
Mini-presentation on SPPIs for “Warehousing and support activities” in France

Thank you for your attention!

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du lundi au vendredi de 9h00 à 17h00