

Updated Supply and Use Tables – Revision 2011

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Revision in 2011

- Revision of classification CPA/NACE from Rev1 to Rev2
- Methodological improvements (imputed rent, fisim, own-accounts software, foreign trade)
- Covers time series 1995 – 2010
- Supply and use tables 88x88 – all years
- Symmetric input-output 1995,2000,2005,2008*
- Expected to be published 9/2011

Revision in 2014

- It is expected to cover methodical changes in NA standard (Research and development, foreign trade, etc.)
- Based on SNA 2008 and ESA 2010
- Basic concept remained unchanged (input-output – minor changes)

Input-Output Revision 2011

- Two steps revision
 - Classification revision
 - Methodical revision

We intend to publish final figures after methodical revision

1. Based on matrix formulas
2. Expert assessment needed

Matrix Transformation (1)

- Consistency of supply and use tables and sector accounts
- One-way transformation (matrices are not squares)
- It is strictly separated the change of classification and the change of methodology

Matrix Transformation (2)

- Suppose:

S(s,o) – supply matrix (cpa rev1, nace rev1)

P(c,s) – product transformation matrix (cpa rev2, cpa rev 1),col 100%

N(o,n) – activity transformation matrix (nace rev1,nace rev2),row 100%

F(c,n) – final supply matrix (cpa rev2, nace rev2)

$$\mathbf{F} = (\mathbf{P} \cdot \mathbf{S}) \cdot \mathbf{N}$$

Applied for 1995 – 2007, coefficients known from 2008.

Practical Process

1. Mathematical computation
2. Adjustment for computational errors (rounding)
3. Adjustments for logical errors (electricity = electricity)
4. Adjustments for keeping the totals and different aggregates
5. Final tables

Main Differences in Classification

1. Less goods more services
2. Change of logic, services are separated from the production (computers, service of computers)
3. Changes in trade (wholesale x retail)

Product Differences

1. CPA 11 – beverages
2. CPA 21 – pharmacy
3. **CPA 33 – repairs and installation services**
4. CPA 36,37,38,39 (water, sewerage, waste collection, remediation services)
5. CPA41 – 43 (development and construction)
6. CPA 58 – 63 (publishing, movies, telecommunication, IT)
7. CPA 69 – 82 (26pcs) business services
8. CPA 86,87,88 health and social services
9. CPA 92 – gambling 😊
10. CPA 95 – computers and household goods repairs

Energy and Resources

CPA 05 – Coal

051 – Hard coal

052 – Lignite

CPA 06 – Crude oil and natural gas

061 – Crude oil

062 – Natural gas

CPA 07 – Ores, CPA 08 – Other mining, CPA 09 – mining supplementary services

CPA 19 – Coke and petroleum products

191 – Coke oven products

192 – Refined oil products

CPA 35 – Energy

351 – Electricity

352 – Manufactured gas

353 – Steam and air-conditioning services

Thank you

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