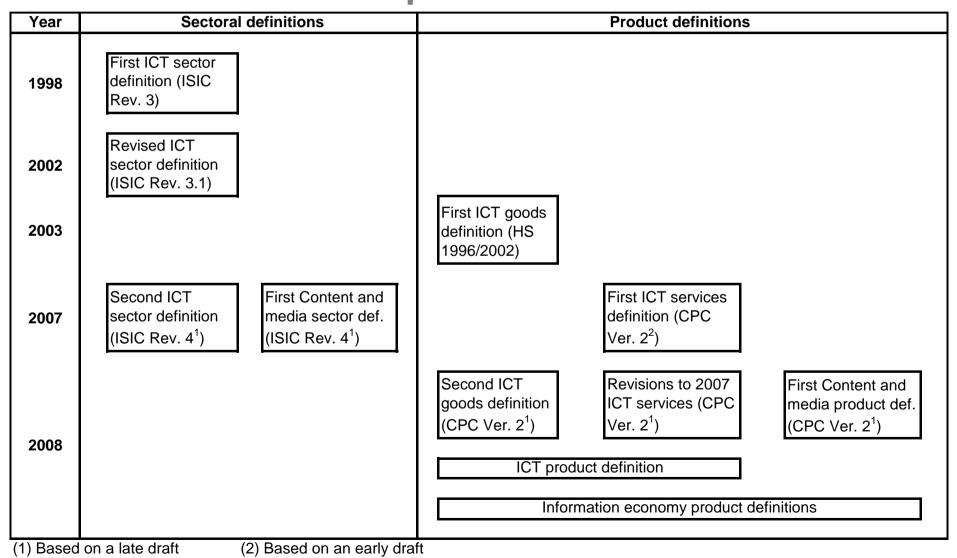Geneva, 27 May 2008

ICT Sector and Products
New Classifications based on
ISIC Rev. 4 and CPC Ver. 2

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OECD information economy sectoral and product definitions

Year	Sectoral definitions		Product definitions		
1998	First ICT sector definition (ISIC Rev. 3)				
2002	Revised ICT sector definition (ISIC Rev. 3.1)				
2003			First ICT goods definition (HS 1996/2002)		
2007	Second ICT sector definition (ISIC Rev. 4^1)	First Content and media sector def. (ISIC Rev. 4^1)		First ICT services definition (CPC Ver. 2^2)	
2008			Second ICT goods definition (CPC Ver. 2^1)	Revisions to 2007 ICT services (CPC Ver. 2^1)	First Content and media product def. (CPC Ver. 2^1)
			ICT product definition		
			Information economy product definitions		

(1) Based on a late draft   (2) Based on an early draft

THE ICT SECTOR CLASSIFICATION

Core indicators on the ICT sector and trade in ICT goods

Basic core

ICT1 Proportion of total business sector workforce involved in the ICT sector

ICT2 Value added in the ICT sector (as a percentage of total business sector value added)

Original guiding principle
ICT sector (1998, 2002)

1a) For **manufacturing industries**, *the products (goods)* of a candidate industry must:

- <u>fulfil the function</u> of information processing and communication including transmission and display,

or

- <u>use electronic processing</u> to detect, measure and/or record physical   phenomena or control a physical process.

1b) For **services industries**, *the products (services)* of a candidate industry must be intended to

- <u>enable the function</u> of information processing and communication by electronic means

2007 Revision of the ICT sector

- ## Revision of the guiding principle for ICT manufacturing
  - "The products of a candidate manufacturing industry must be intended to primarily fulfill the function of electronic information processing and communication (including transmission, recording, storage and display)".
  This includes also production of electronic components

- ## A narrower definition of ICT

- ## Integration of the content and media sector into the model

ICT sector based on ISIC Rev. 3.1

Manufacturing:

- 3000 Office, accounting and computing machinery
- *3130 Insulated wire and cable*
- 3210 Electronic valves and tubes and other electronic components
- 3220 TV and radio transmitters and app.tus for line telephony and line telegraphy
- 3230 Television and radio receivers, sound or video recording, etc.
- *3312 Instruments and appliances for measuring, checking, testing, navigating*
- *3313 Industrial process equipment*

Services:

- 5151 Wholesale of computers, computer peripheral equipment and software
- 5152 Wholesale of electronic and telecommunications parts and equipment
- 6420 Telecommunications
- 7123 Renting of office machinery and equipment (including computers)
- 72 Computer and related activities

ICT sector – Goods industries (ISIC Rev. 4)

ICT manufacturing industries

2610   Manufacture of electronic components

2620   Manufacture of computers and peripheral equipment

2630   Manufacture of communication equipment

2640   Manufacture of consumer electronics

2680   Manufacture of magnetic and optical media

ICT trade industries

4651   Wholesale of computers, computer peripheral equipment and software

4652   Wholesale of electronic and telecommunication equipment and parts

ICT sector – Service industries (ISIC Rev. 4)

ICT services industries

5820   Software publishing

61   **Telecommunications**

6110   Wired telecommunications activities

6120   Wireless telecommunications activities

6130   Satellite telecommunications activities

6190   Other telecommunications activities

62   **Computer programming, consultancy and related activities**

6201   Computer programming activities

6202   Information technology consultancy activities and computer facilities management activities

6209   Other information technology and computer service activities

631   **Data processing, hosting and related activities; web portals**

6311   Data processing, hosting and related activities

6312   Web portals

951   **Repair of computers and communication equipment**

9511   Repair of computers and peripheral equipment

9512   Repair of communication equipment

Media and content sector

Definition

- A content product corresponds to an organized message intended for human beings published in mass communication media.

- The value of such product to the consumer does not lie in its tangible qualities but in its information, educational, cultural or entertainment content.

- The content sector is the group of economic activities that are primarily engaged in the publishing and/or the electronic distribution of content products:
    - Publishing activities
    - Motion picture, video and television programme production
    - Broadcasting and programming activities
    - Other information service activities

Media and content sector

Guiding principles

1. It is an organized message intended for human beings.

2. It results from an organized production activity.

3. It is combined with, or carried by, a medium.

4. Its diffusion is not restricted to a list of privileged recipients.

5. Its diffusion requires a communication medium, i.e. a mass diffusion medium.

6. Its diffusion requires the intervention of a publisher that is of a publishing business.

Content and media sector (ISIC Rev. 4)

581   Publishing of books, periodicals and other publishing activities
5811   Book publishing
5812   Publishing of directories and mailing lists
5813   Publishing of newspapers, journals and periodicals
5819   Other publishing activities
591   Motion picture, video and television programme activities
5911   Motion picture, video and television programme production activities
5912   Motion picture, video and television programme post-production activities
5913   Motion picture, video and television programme distribution activities
5914   Motion picture projection activities
592   Sound recording and music publishing activities
60   Broadcasting and programming activities
601   Radio broadcasting
602   Television broadcasting and subscription programming
632   Other information service activities
6321   News agency activities
6329   Other information service activities n.e.c.

Implementation issues

- **When?**

- **For which reference period?**

- **Should we consider back casting?**

- **Should we revisit the existing definition (ISIC 3.1) to better align it on the new definition?**

2007 REVISION ICT PRODUCTS AND CONTENT AND MEDIA PRODUCTS

Core indicators on the ICT sector and trade in ICT goods

Basic core

ICT3ICT goods imports as a percentage of total imports

ICT4ICT goods exports as a percentage of total exports

Guiding principles

- Guiding principles for the ICT and Content and media products are adapted from guiding principles for the sector definitions.

- ICT products must primarily be intended to fulfil or enable the function of information processing and communication by electronic means, including transmission and display.

- Content corresponds to an organised message intended for human beings published in mass communication media and related media activities.

- The value of such a product to the consumer does not lie in its tangible qualities but in its information, educational, cultural or entertainment content.

Broad level categories for ICT products (CPC Ver. 2)

Broad level categories	Number of products
Computers and peripheral equipment	18
Communication equipment	8
Consumer electronic equipment	12
Miscellaneous ICT components and goods	14
Manufacturing services for ICT equipment	5
Business and productivity software and licensing services	11
Information technology consultancy and services	10
Telecommunications services	12
Leasing or rental services for ICT equipment	3
Other ICT services	6
Total	**99**

Broad level categories for Content and media products (CPC Ver. 2)

Broad level categories	Number of products
Printed and other text-based content on physical media, and related services	20
Motion picture, video, television and radio content, and related services	24
Music content and related services	5
Games software	3
On-line content and related services	12
Other content and related services	11
Total	**75**

Implementation of the CPC and HS

- A small survey of OECD countries indicates that a few countries expect to introduce the revised CPC (or national equivalent) to their NSS in the next 1-3 years. However, others appear to have no such plans.

- HS2007 is already being used for trade statistics by a number of countries.
  - Correspondence HS2007-CPC Ver.2
  - this would be based on the work of the UNSD which is constructing such a correspondence.

Guide to Measuring The Information Society

www.oecd.org/sti/measuring-infoeconomy/guide

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