



# ISIC Rev.4

## Section J

# Information and communication

United Nations Statistics Division



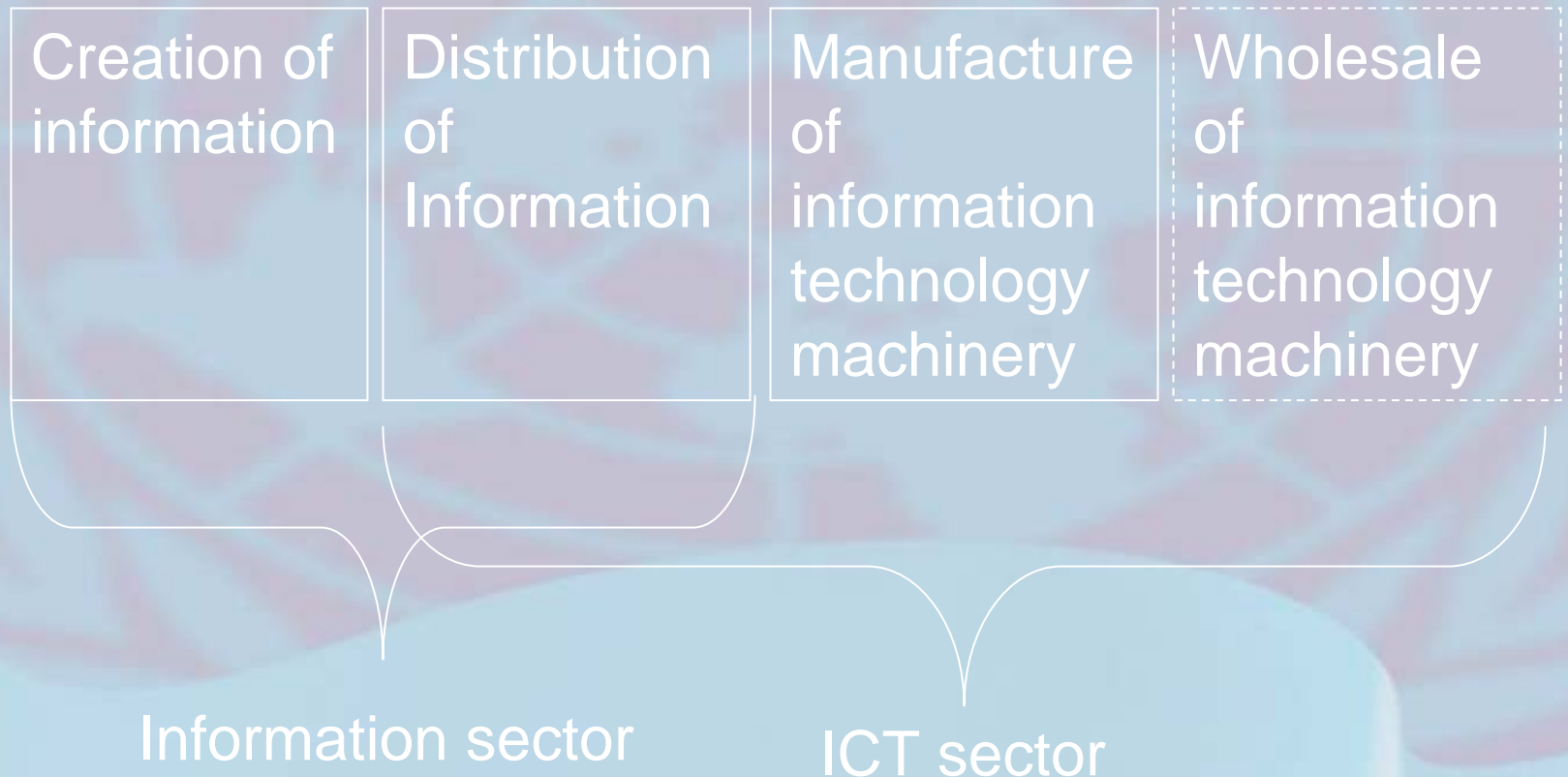
# Why this section?

- **First questionnaire:**
  - How should ISIC reflect the growing importance of information in the economy and in society?
  - Should a high level category be introduced to deal with this?
    - What should the boundaries be?
- The OECD has defined Information and telecommunication technologies (ICTs) whereas NAICS has adopted the Information sector (division 51).
  - To what extent should the ISIC revision be guided by these examples?



# Concept, scope

- **Two different approaches**





# Concept, scope

- **Based generally on mass distribution concept**
- **It includes:**
  - **Creation and processing of information and cultural products**
  - **Distribution of these products**
    - **Telecommunications**
  - **Information technology, data processing services and other services**



# IT services

- Require specific skills and expertise, therefore fit better with professional, scientific and technical services
- Do not comply with the mass distribution concept

**But,**

- the majority of countries (second questionnaire) wanted to have all IT services in the “Information and communication activities” section!



# Specific characteristics of Information and Communication products

- **An information or cultural product does not necessarily have tangible qualities**
  - **The traditional order “physical production”- “distribution” is no longer always valid**
  - **Value lies in content, not in format**
  - **Protected from unlawful reproduction by copyright laws**
- **No direct contact between supplier and consumer is needed, many ways of distributing**



# Structure of Section J

**58 - Publishing activities**

**59 - Motion picture, video, television programme production, sound recording and music publishing activities**

**60 – Programming and broadcasting activities**

**61 - Telecommunications**

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

**63 - Information service activities**



## Affected ISIC 3.1 categories:

- 221 "Publishing" ( in "Manufacturing")
- 72 "Computer and related activities" except 725 (in "Real estate, renting and business activities")
- 642 "Telecommunications" (in "Transport, storage and communications")
- 92 "Recreational, cultural and sporting activities" (9211, 9212, 9213, 9220, 9231 in "Other community, social and personal service activities")





# Improved relevance of affected ISIC sections

- **Publishing (ISIC 3.1 221) removed from Manufacturing**
  - **Printing and reproduction of recorded media remain in Manufacturing**
- **ISIC 3.1 Section K completely reorganized**
  - **IT services (the larger part of former 72) placed in Information and Communication**
- **Telecommunications removed from ISIC 3.1 “Transport, storage and communications” section;**
  - **ISIC Rev.4 section H has transport, storage, postal and courier activities**
- **ISIC 3.1 section O reorganized (had a very diverse content):**
  - **Portions of former 92 in “Information and communication”**
  - **Section R “Arts, entertainment and recreation” created with a cleaner concept**
  - **Other changes: Section E “Water supply, sewerage...”, section S “Other service activities”**



# Structure of division 58

## 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

## 582 Software publishing



# ISIC Rev.4, Division 58

- **581 scope:**
  - Publishing of books, periodicals, mailing lists, other works of art, software
  - Characterized by intellectual property required in their development
  - Usually protected by copyright
  - All forms of publishing included (in print, electronic, on-line, audio)
  - Music publishing is excluded (see 592)!



# Structure of division 59

## **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**



# ISIC Rev. 4, Division 59

- **Division 59 scope:**
  - Complete chain of activities for production / distribution of movies etc. (except retail)
    - Production of motion pictures and supporting activities
    - Distribution of motion pictures and other film productions
    - Motion picture projection
  - For television programmes, this is the creation of non-live content
- Production of original sound master recordings
- Publishing of music



# Structure of division 60

**601 Radio broadcasting**

**602 Television programming and  
broadcasting activities**

- **No additional detail at class level**



# ISIC Rev.4, Division 60

- **Division 60 scope**
  - Creating live content
  - Acquiring the rights and assembling of content
    - Creation of complete programming (“channel”)
  - Broadcasting
  - All possible technologies for broadcasting are included
- **Previously discussed:**
  - Internet publishing and broadcasting as separate activity
  - Split of 602 into TV and cable
    - Created many problems of interpretation
    - Subsequently dropped



# Structure of division 61

- 6110**    **Wired telecommunications activities**
- 6120**    **Wireless telecommunications activities**
- 6130**    **Satellite telecommunications activities**
- 6190**    **Other telecommunications activities**





# ISIC Rev. 4, Division 61

- **New detail introduced**
  - Part of ISIC 3.1 6420 “Telecommunications”
  - Former class elevated to a division, activities better identified
- **Includes**
  - Providing telecommunications, i.e. transmitting voice, data, text, sound and video
  - Commonality of activities: transmission of activities without being involved in creation / content
  - Internet service providers
  - Cable subscription programming as part of 6110
- **Key: operating the infrastructure**



# Structure of division 62

## **620 Information technology service activities**

**6201 Computer programming activities**

**6202 Hardware and software consultancy and computer facilities management activities**

**6209 Other information technology service activities n.e.c.**

- Considered as “support service” for section J



# Structure of division 63

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

**6311 Data processing, hosting and related activities**

**6312 Web portals**

**639 Other information service activities**

**6391 News agency activities**

**6399 Other information services n.e.c.**



# ISIC Rev.4, Division 63

- **Treatment of libraries and archives has been discussed for a long time**
  - **Libraries and archives remain in “Recreational, cultural and sporting activities” (former ISIC 3 division 92)**
    - **Does the mass distribution concept apply to them?**



**Thank You**