Turnover for Arts, Entertainment and Recreation Services in Japan

The 27th Voorburg Group Meeting

October 1st-5th, 2012

Warsaw, Poland
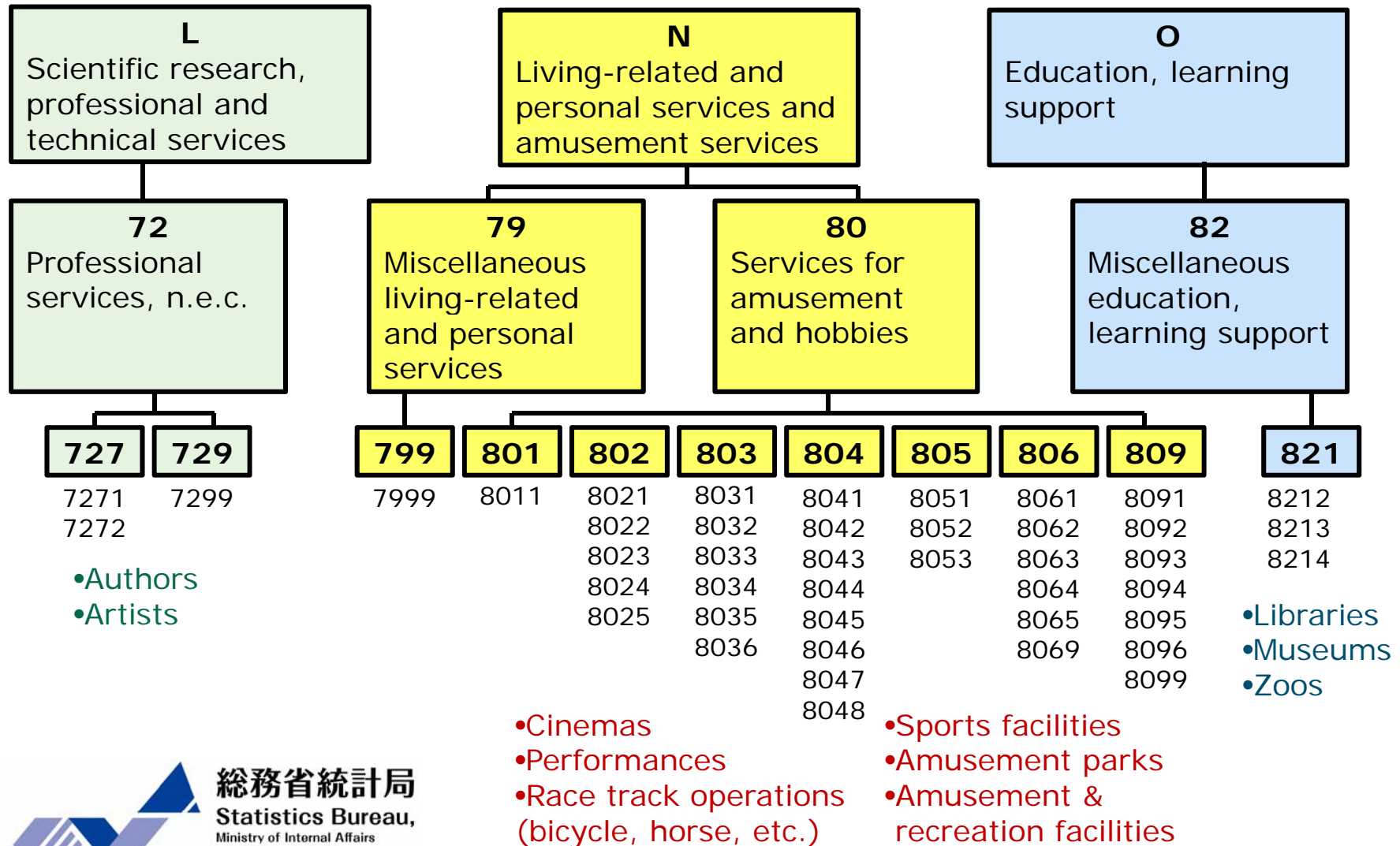
Mayumi Fujita

Economic Statistics Division

Statistics Bureau of Japan

総務省統計局
Statistics Bureau,
Ministry of Internal Affairs
and Communications

1

Contents

1. Standard classification structure
2. Surveys of Turnover
3. Market conditions
4. Standard vs. market conditions
5. Turnover data methods
6. Comparability of turnover and price data
7. Summary

総務省統計局
Statistics Bureau,
Ministry of Internal Affairs
and Communications

1. Standard classification structure

Japan Standard Industrial Classification (JSIC) Rev.12

L
Scientific research, professional and technical services

N
Living-related and personal services and amusement services

O
Education, learning support

72
Professional services, n.e.c.

79
Miscellaneous living-related and personal services

80
Services for amusement and hobbies

82
Miscellaneous education, learning support

727 **729**

799 **801** **802** **803** **804** **805** **806** **809**

821

7271
7272

7299

7999

8011

8021
8022
8023
8024
8025

8031
8032
8033
8034
8035
8036

8041
8042
8043
8044
8045
8046
8047
8048

8051
8052
8053

8061
8062
8063
8064
8065
8069

8091
8092
8093
8094
8095
8096
8099

8212
8213
8214

•Authors
•Artists

•Cinemas
•Performances
•Race track operations (bicycle, horse, etc.)

•Sports facilities
•Amusement parks
•Amusement & recreation facilities

•Libraries
•Museums
•Zoos

総務省統計局
Statistics Bureau,
Ministry of Internal Affairs and Communications

1. Standard classification structure

Characteristics of JSIC* rev.12
for Arts, Entertainment and Recreation services

- **More detailed than ISIC**

  JSIC : 43 classes   vs.   ISIC : 10 classes

- **Including recreation classes unique to Japan**

  e.g. 8062 "*Go*" (Japanese chess) parlors

  8064 "*Pachinko*" (Japanese pinball) parlors

  8095 "*Karaoke*" boxes

*JSIC : Japan Standard Industrial Classification

総務省統計局
Statistics Bureau,
Ministry of Internal Affairs
and Communications

1. Standard classification structure

"*Go*"   "*Pachinko*"

Photo by Markus Koljonen, Wikimedia
Commons

Photo by Michael Maggs, Wikimedia Commons

総務省統計局
Statistics Bureau,
Ministry of Internal Affairs
and Communications

2. Surveys of Turnover

	Monthly Survey on Service industries	Economic Census for Business Activity
Frequency	Monthly	Every 5 years
First survey	July, 2008	February, 2012
Survey unit	Establishment (whose primal industry is service)	Establishment & enterprise (in all industries)
Collected turnover	Monthly amount per unit -Total	Annual amount per unit -Total -By business activity
Released turnover	Sample based estimates at 2 digit industry level *some 3 digit for annual results -For Arts, Entertainments and Recreation 80 Services for amusement and hobbies 804 Sports facilities 806 Amusement and recreation facilities	Not yet released <Scheduled> -Turnover by business activity by major industry of establishments/enterprises

3. Market conditions

Number of establishments : 71,190

- ❑ By industry
  - 90% are "JSIC80 Services for amusement and hobbies"

    In particular, "JSIC806 Amusement and recreation facilities" is large

    e.g. "*Mah-jong*" clubs, "*Pachinko*" parlors, Game centers

- ❑ By type of legal organization
  - 90% are privately owned
  - However, public institutions account for higher rates in Library (90%), Gymnasium (73%), Museum (56%)

(Source: 2009 Economic Census for Business Frame by the SBJ)

3. Market conditions

Turnover for JSIC80*

☐ Annual : Decreasing

Year	Turnover	
	(Trillion yen)	(Billion U.S. dollars)**
2009	26.8	345
2010	25.4	327
2011	22.7	293

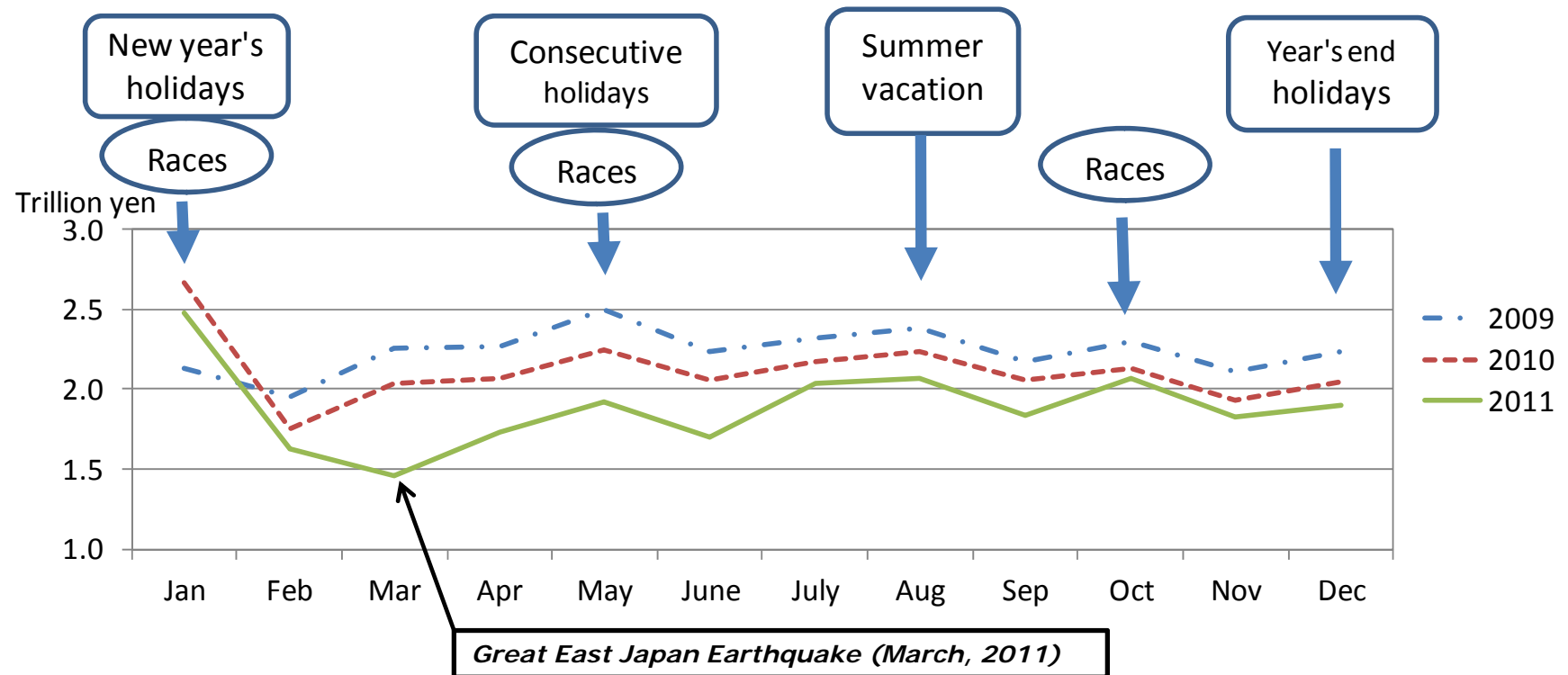**Approximate figures converted at 77.57 yen per U.S. dollar

*Among Arts, Entertainment and Recreation services, JSIC80 is the only 2-digit level industry whose turnover is released independently in the Monthly Survey on Service industries.

(Source: Monthly Survey on Service Industries by the SBJ)

総務省統計局
Statistics Bureau,
Ministry of Internal Affairs
and Communications

3. Market conditions

Turnover for JSIC80

- Monthly : Influenced by holidays, horse/bike races
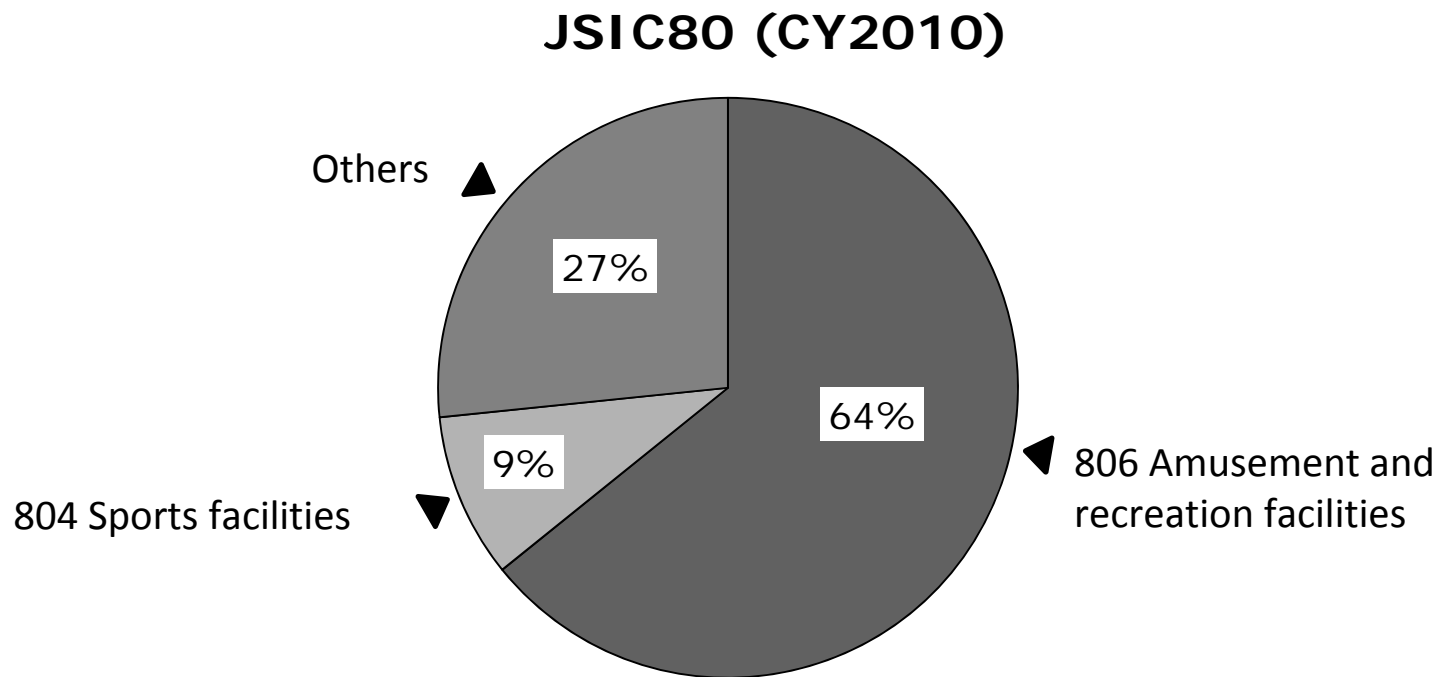

Great East Japan Earthquake (March, 2011)

(Source: Monthly Survey on Service Industries by the SBJ)

3. Market conditions

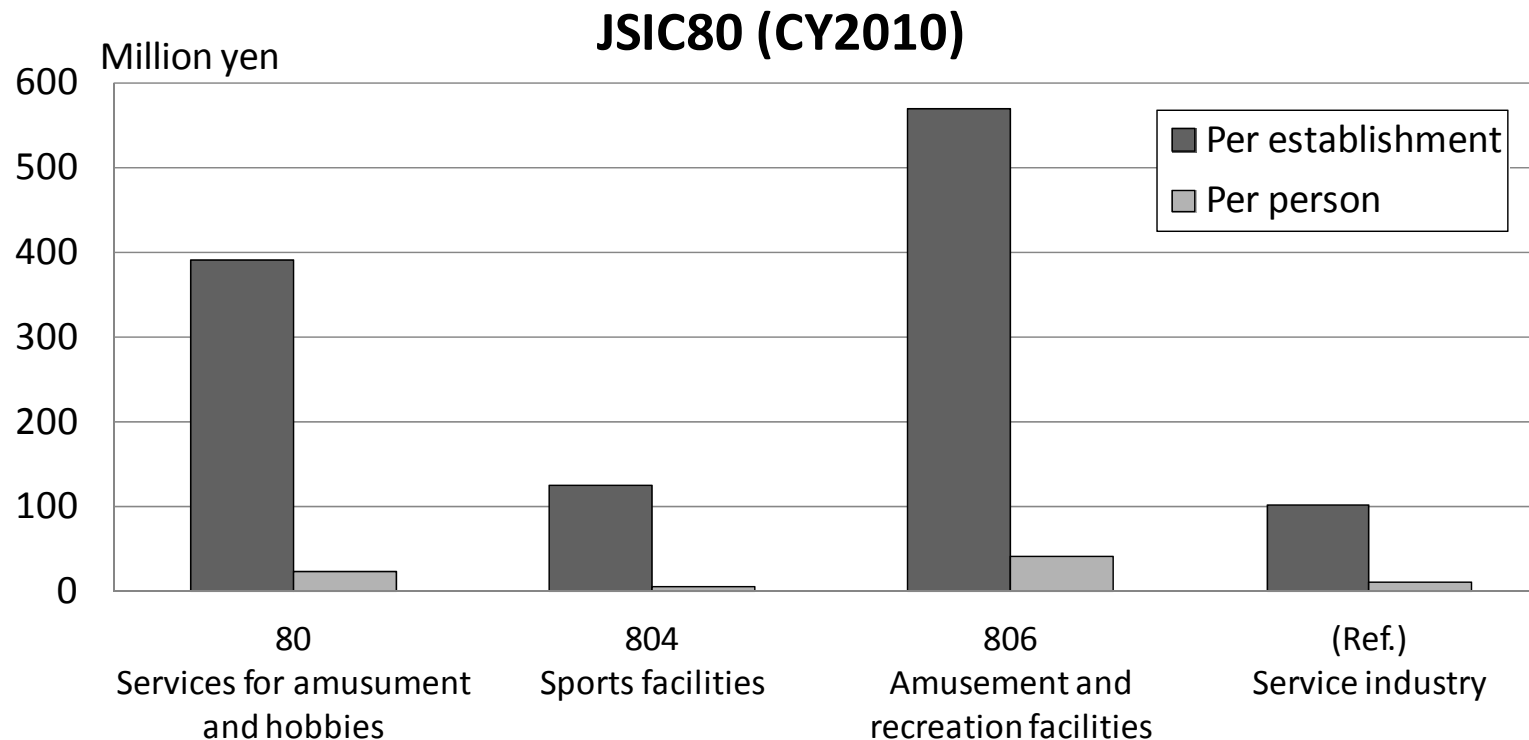## Turnover for JSIC80

- By industry : JSIC806 is the largest

JSIC80 (CY2010)

Others

27%

64%

9%

804 Sports facilities

806 Amusement and recreation facilities

(Source: Monthly Survey on Service Industries by the SBJ)

総務省統計局
Statistics Bureau,
Ministry of Internal Affairs
and Communications

3. Market conditions

Turnover for JSIC80

❑ JSIC806 is more productive than other industries

JSIC80 (CY2010)

Million yen

	Per establishment
	Per person

80
Services for amusement
and hobbies

804
Sports facilities

806
Amusement and
recreation facilities

(Ref.)
Service industry

総務省統計局
Statistics Bureau,
Ministry of Internal Affairs
and Communications

(Source: Monthly Survey on Service Industries by the SBJ)

11

4. Standard vs. market conditions

- ❑ JSIC is revised at some interval to reflect the change of industrial structure
    - Rev.12 has been used since November 2007

- ❑ Comparatively new businesses have no individual 4-digit class in JSIC yet
    - e.g. internet cafes, comic cafes (not providing foods and drinks mainly)
        - --> contained in "8099 Amusement and recreation services, n.e.c."

総務省統計局
Statistics Bureau,
Ministry of Internal Affairs
and Communications

5. Turnover data methods

MSSI – Current methods and challenges

□ Sample survey

- Strata are made by industry, number of persons (& areas)
- Industrial strata are made at 2-digit level*

  *some are 4-digit level; e.g. "8043 Golf courses", "8064 *Pachinko* parlors"

- Stratum "JSIC80" includes "JSIC803 Bicycle, horse, motorcar and motorboat race track operations and companies" which contains establishments with remarkably high turnover

--> Sample replacement may influence the results

<Image of sample for JSIC80>
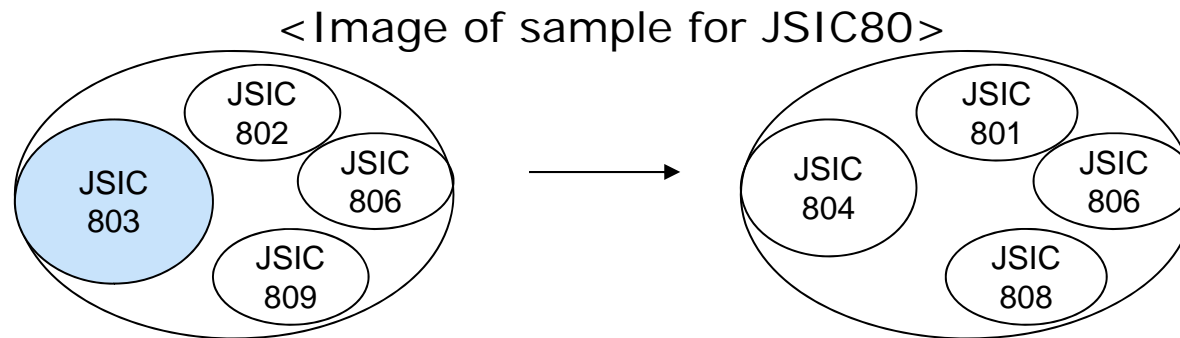
Sample replacement

5. Turnover data methods

MSSI – Current methods and challenges

- **Turnover for public institutions**
  - In principle, turnover measured in the MSSI:
    - sales/income for privately owned institutions
    - expense/budget for public institutions
  - Practically, public gymnasiums/museums which charge entrance fee may submit income as turnover

  --> Entrance fees of public institutions are often cheaper than those of private institutions; this may have an impact on the results

総務省統計局
Statistics Bureau,
Ministry of Internal Affairs
and Communications

5. Turnover data methods

MSSI – Future plan (since January 2013)

- ❏ **Introduction of enterprise unit survey**
  - Unit for major enterprises and enterprises in particular industries* will be changed from establishment <u>to enterprise</u>

    *Including race track enterprises in "JSIC803" as enterprises in particular industries

  - <u>All target enterprises</u> will be surveyed

  - <u>Turnover by business activity** of enterprises</u> will be collected

    ** Turnover of each of the top 4 service activities for each enterprises

  --> To improve the accuracy of the results

5. Turnover data methods

MSSI – Future plan (since January 2013)

	Current methods	Future methods	
Survey unit	Establishment	**Enterprise**	Establishment
Survey type	Sample	**Census**	Sample
Target	-	**Major enterprises/ Enterprises in particular industries**	**Establishments except for those affiliated under target enterprises of enterprise unit survey**
Collected turnover	Total	**Total By business activity**	Total

*Parts written in bold type shows the changes from the current method.

5. Turnover data methods

MSSI – Future plan (since January 2013)

□ Introduction of annual survey

- With larger sample than monthly survey

--> *To figure out the industrial turnover in more detail and the regional turnover*

--> *To supplement the Economic Census conducted every 5 years*

総務省統計局
Statistics Bureau,
Ministry of Internal Affairs
and Communications

5. Turnover data methods

Economic Census for Business Activity

- 2012 Census collected turnover from all establishments/enterprises for Arts, Entertainment and Recreation services for the first time

- By collecting turnover by business activity, turnover information of service industry conducted as secondary activity is also captured for the first time

- Results will be used for a benchmark for turnover
  - Preliminary results : late January 2013
  - Final results : from third quarter of 2013

総務省統計局
Statistics Bureau,
Ministry of Internal Affairs
and Communications

6. Comparability of turnover and price data

□ Price data

   - Only CPI is available for Arts, Entertainment and Recreation services

   - Weight for CPI is household consumption expenditure

   - Product (item) basis

□ Turnover data

   - Industrial basis

--> Turnover data and price data are not comparable

総務省統計局
Statistics Bureau,
Ministry of Internal Affairs
and Communications

7. Summary

- JSIC has more detailed classes than ISIC
- Turnover is collected by monthly survey (MSSI) and census
- Turnover is currently released at 2-digit industry level by MSSI
- Survey method of MSSI will be changed in January 2013 to provide more accurate and detailed turnover information
- First Economic Census for Business Activity which captures turnover information was conducted in 2012; results will be used as a benchmark for turnover

総務省統計局
Statistics Bureau,
Ministry of Internal Affairs
and Communications

Thank you!
Questions?

総務省統計局
Statistics Bureau,
Ministry of Internal Affairs
and Communications