

**The Influences of the New Industrial Classification  
on Mudan Model**

by

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The present Mudan Model adopts China's 1992 Input-Output Table which includes 118 sectors. Mudan is a 59-sector model, that is, the national economy is divided into 59 sectors based on the Industrial Classification and Codes of the National Economy GB/T4754-94( The "GB" represents the national standard of China). We are going to update and improve the database of the present Mudan Model. So, the new Industrial Classification of the National Economy (GB 200X for short, not named now), which is a revision of the GB94, will directly affect the updating of the database and the classification of sectors of the Mudan Model. This paper mainly introduces and analyzes the changes in the new GB 200X and concisely discusses the influences on the sector structure of our Mudan Model.

## **I. The Changes in the new Industrial Classification of National Economy**

### **1. The Background of the New GB**

The industrial classification of national economy has changed twice since the China's reform and opening of its economy one of which in 1984 and another in 1994. The first one was called GB84(national standard 84 of industrial classification) and the second one was called GB94(national standard 94 of industrial classification). Compared with GB84, the currently used GB94 made some merging and disassembling on the old classification together with the adding of some new categories, so that it had a more detailed classification and then could reflect the complexity of the social economy well. However, because of the rapid growth and improvement of China's economy and especially of the rapid expansion of the tertiary industry in the past 10 years, the GB94 has become unsuitable to the situation. Besides, the China's entry into WTO requires a better industrial classification of the national economy.

The current industrial classification has two main deficiencies. Firstly, the statistical standard is unsuitable. There are more or less differences between China's current industrial and product classification and international standards, which greatly affects the international comparability of statistical data. Secondly, the system of statistical indexes is unsuitable. Some of China's statistical indexes differ from those of international standards in the name, definition, coverage and way of calculating. These differences significantly influence the usability and comparability of China's statistical data.

So, how to make the statistical activities and data conform to the international standards; how to conform to the international standards in the statistical methods, coverage, especially the statistical classification; how to make China's present industrial classification comparable to that of international standards all become imperative. With more and more frequent international communication, We are facing an increasing pressure.

To solve the problems above, The National Bureau of Statistics of China has began to revise the Industrial Classification and Codes of the National Economy GB/T4754-94 three years ago. Now the revision has been completed and the meeting of evaluating the new

GB/T4754-200X(temporary name) has been held. It can be expected that the new GB/T4754-200X will be approved by the National Standardization management Committee and will be put in practice as a national standard soon.

## **2.The Changes in the New GB/T4754-200X**

The new GB adds and adjusts some industrial categories according to the principles and structures of the International Standard Industrial Classification(3rd Edition, ISIC for short) of UN. The new GB amplifies the classifications of the tertiary industry while reducing those of mining and manufacturing industries. The paragraphs below will introduce the main differences between the new and the old GB of industrial classification in detail.

### **(1) The structural changes**

A. 5 new industrial categories are added. They are: Information transmission, computer services and software; Lease and business services; Hotels and restaurants; Water conservancy, environmental resources and public facilities management; Education; International organizations.

B. The names and/or domains of some industrial categories are adjusted. The affected categories are Agriculture, forestry, livestock and livestock products, fishery; Ore mining; Manufacturing; Transport, warehousing and post; Wholesale and retail trade; Finance; Scientific research, technical services and geological prospecting; Resident services and other services; Health services, social security and social welfare; Culture, sports and recreation; Public management and social organizations.

C. Some categories in the GB/T4754-94 are removed and their contents are merged to the rest and new categories. They are: Geological prospecting and water conservancy; other sectors.

The structural comparison of the new and old GB are showed in the appendix Table 1.

### **(2) adjustment on some items, titles and coverage of the categories in the GB/T4754-94.**

The passages below analyze the differences between the new and the old GB in detail.

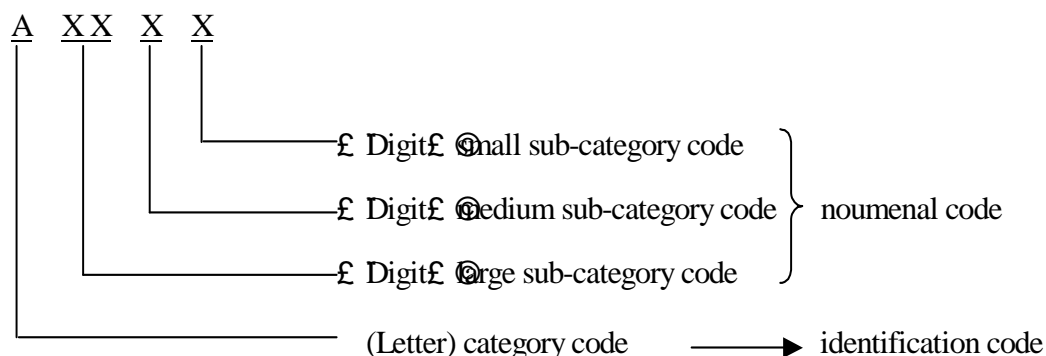
#### **A. The coding method and code structure in the new GB**

The new GB adopts a line classification and a hierachical coding method. The economic activities are divided by a 4-level classification, that is the category and the large,medium and small sub-categories. Categories are coded alphabetically while the three level sub-categories are coded numerically.

Each category is denoted by an English letter. Each letter is used to represent a different category in sequence. The three level sub-categories are represented by Arabic numerals of three-level, which are hierachical and decimal. The first two-digit number in a three-level number represents the large sub-category (the first level sub-category) to which an industry belongs in a category. All large sub-categories in each category is coded in ascending sequence starting from the number 01 according to their orders in the category. The third digit in a three-level number represents the order of a medium sub-category(the second level category) in a large sub-category , thus the first three digits fully identified the medium sub-category. Similarly, the fourth digit in a three-level number represents the order of a small sub-category(the third level sub-category) in a medium sub-category, thus the four digits together fully identified the small sub-category. Both the medium and the small sub-category are coded in ascending sequence from the number 1 to the possible maximum number 9. For instance, “74” represents the large sub-category of “business services” while

“743” representing the medium sub-category of “consultation and investigation” and “7431” denoting the small sub-category of “accounting, auditing and tax services”.

The structure of the new code is illustrated below



B. The changed sectors in the new GB compared with the old.

The changing of sectors can be put into several kinds below:

a. Statistic coverage has not changed but the old large sub-categories changed a little, only a few medium and small sub-categories are adjusted.

The table below illustrates the affected large sub-categories

COD E	TITLE	CODE	TITLE
03	Livestock and livestock products	04	Fishery
06	Coal mining and processing	07	Crude petroleum and natural gas products
08	Ferrous metal ore mining	09	Non-ferrous metal ore mining
10	Non-metal ore mining	11	Other ore mining
15	Beverage	16	Tobacco products
18	Textiles, wearing apparel, shoes and hats	19	Leather, furs, down and related products
21	Furniture	22	Paper and paper products
29	Rubber products	30	Plastic products
32	Ferrous metals smelting and processing	44	Electricity, steam and hot water production and supply
45	Gas production and supply	46	Water production and supply
51	Railway transport	56	Pipeline transport
58	Warehousing	66	Accommodation
67	Eating and drinking places	70	Insurance
73	Lease	75	Research and development
79	Water conservancy	91	Sports
92	Recreation	97	Mass organizations

b. Statistic coverage has not changed but constitution of the old large sub-categories greatly changed, coverage of most medium sub-categories have changed and many small sub-categories is merged or moved to other medium sub-categories.

The table below illustrates the affected large sub-categories

COD E	TITLE	CODE	TITLE
31	Non-metal mineral products	33	Nonferrous metal smelting and processing
65	Retail trade	78	Geological prospecting
84	Education		

c. The statistic coverage is changed but the old large sub-categories changed a little. The table below illustrates the affected large sub-categories

<b>COD E</b>	<b>TITLE</b>	<b>CODE</b>	<b>TITLE</b>
01	Agriculture	02	Forestry
05	Technical services for agriculture, forestry, livestock and fishing	20	Sawmills
23	Printing and replication of recording media	25	Petroleum refining, coking and nuclear-fuel processing
27	Medical and pharmaceutical products	28	Chemical fibers
48	Construction and installation	49	Construction and ornamentation
52	Highway transport	54	Water transport
55	Air transport	59	Post
68	Banking	82	Resident services
94	State administrations	95	People's political consultative conference and democratic parties
96	Mass organizations, social organizations and religious organizations		

d. Statistic coverage is changed and the old large sub-categories greatly changed coverage of most medium sub-categories changed and many small sub-categories being merged or moved to other medium sub-categories.

The table below illustrates the affected large sub-categories

<b>COD E</b>	<b>TITLE</b>	<b>COD E</b>	<b>TITLE</b>
13	Agricultural and food products	14	Food products
17	Textiles	24	Cultural, educational and sports products
26	Raw chemical materials and chemical products	34	Metal products
35	General equipment	36	Special equipment
37	Transport equipment	39	Electric machinery and equipment
40	Telecommunication equipment, computer and other electronic equipment	41	Instruments, meters, cultural and office machinery
47	House and civil engineering construction	76	Special technical services
85	Health services	89	Radio, television, film, audio and video
90	Culture and arts		

e. Several old large sub-categories are combined into a new large sub-categories.

The table below illustrates the affected large sub-categories

<b>COD E</b>	<b>TITLE</b>	<b>CODE</b>	<b>TITLE</b>
63	Wholesale trade	72	Real estate

f. Some medium and small sub-categories in the GB94 are upgraded into new large sub-categories. They are:

COD E	TITLE	CODE	TITLE
43	Recycling and processing of abandoned resources and scrap	50	Services for construction
53	Urban public transport	57	Load, unload, portage and other services for transport
60	Information transmission	61	Computer services
62	Software	69	Securities
71	Other finance services	77	Services for Technical communication and popularization
81	Public utility management	86	Social security
87	Social welfare	88	News and press
93	Chinese communist party organizations	98	International organizations
74	Business services	80	Environmental resources management
83	Other services		

The grayed items are the changed new large sub-categories that are formed by merging several medium and/or small sub-categories previously in one or several old large sub-categories.

### C. Contrast table of the new and old Industrial Classification and Codes

Since there has been such great changes in the new GB200X compared with the old GB94, the analysis above may not clearly describe the difference between the two standards. So we use a contrast table to compare the large sub-categories and some largely changed medium and small sub-categories as well in the two standards.

Before looking at the contrast table, it's necessary to explain some items in the column "notice" of the table.

*Divided* It represents that the large or medium sub-categories in the old GB have been divided into some smaller and detailed sub-categories.

*Added* It represents that the categories have just been added into the new GB and did not exist in the old GB94 and their contents come from the corresponding categories of the old GB94.

*Renamed* The names of the categories have changed.

*Removed* The categories in the old GB has been removed whose contents are now included in other categories.

*Adjusted* The corresponding medium or small sub-categories are moved to other large sub-categories.

*Contents added* some new contents have been added into the categories.

*Partly corresponding* The new categories includes some contents of the corresponding ones in the old GB.

the *Contrast table of the new and old Industrial Classification and Codes* are showed in the appendix Table 2.

## II The New Industrial Classification Standard and the Mudan Model

The current Mudan Model is a 59-sector model since its database has 59 sectors based on the 1992 Input-Output Table of China and the 1994 industrial classification (GB94). The range of sample data is from 1985 to 1997. Because the time series of sectors from 1985 to 1992 are based on the 1984 industrial classification (GB84) while those from 1993 to the present are based on the 1994 industrial classification(GB94), so all time series of sectors were adjusted so that they have the same coverage and unified meaning.

The coming new GB200x means that the running range of the model will be divided into

three parts, which will undoubtedly increase the difficulty of data adjustment. So it is of great importance to research the changes in the new GB200x and the influences on the database of the Mudan Model. The research helps to make some adjustment on the coverage of the current 59 sectors, reclassify some sectors and give some guidance on data collection in the future.

**1. The influences of the new GB200X on the database of the Mudan Model.**

The appendix Table 3 gives a contrast of the 59 sectors of the Mudan Model, 1997 Input-Output Table of China, GB94 and GB200X. It also gives some brief explanation on the adjustments. The passage below discusses the adjustments except some simple merging.

**(1) Maintenance and repair of machinery and equipment (Industrial Classification of the 1997 Input-Output Table)**

It's the sector in the input-output table most incomparable to the 59-sector model. In the input-output table, the maintenance and repair of all kinds of the machinery and equipments are included into one unique industry except that the maintenance and repair of bicycle and photo equipment are included into the industry of "resident services". The content of the industry consists of the following industries:

Industries including maintenance and repair	GB94	GB200X
Machinery and equipment	358 368	3583
Railroad transport equipment	3781	
Highway transport equipment	3782	3723PT
Ship building	3785	3755PT
Air transport equipment	3786	3761PT
Other transport equipment	3789	3799
Electric equipment and machinery	408	3999PT
Electronic and telecommunication equipment	4181 4182 4183 4189	4019PT 4039PT 613 409PT
Instruments, meters and other measuring equipment	4182 4189	4039 409PT

According to this, we can decompose the industry of "maintenance and repair of machinery and equipment" and make the maintenance and repair of different equipments included into the respective 9 industries above.

**(2)Forestry (2)**

Compared with that of the GB94, the statistic coverage of the "forestry" in the new GB200X has changed greatly. It includes not only the "other agriculture" in the old category of "agriculture", but also the "logging of timber and bamboo" in the old category of "mining". According to the new GB200X, we add the "other agriculture" into "forestry" and leave the "logging of timber and bamboo" unchanged as a unique sector in our model.

**(3) Petroleum processing and coking(22)**

In the new GB200X, its name has changed into "Petroleum refining, coking and nuclear-fuel processing" with the adding of "nuclear-fuel processing" which comes from the "raw chemical materials and chemical production" and the "nonferrous metal smelting and processing" in the old classification.

**(4) Chemical fibers(25)**

The medium sub-category of "fishing tools and materials for fishing tools" has been removed from the old industry of "chemical fibers" and included into the "textiles" and "cultural, educational and sports products".

**(5)Metal products( 31)**

The "cast-iron pipe" in the old "metal products" industry has been put into the new

“general equipment” . The “mould” moved to the “Special equipment” together with the “cooking utensils” and “gas-fired utensils” put into the new “electric machinery and equipment”.

**(6) Machinery and equipment(32)**

It consists of the “common machinery” and “special industrial equipment”. The “general machinery and equipment” has changed greatly with the new name of “general machinery and equipment”. The “industrial and ore vehicles” once in it has been put into the “railroad transport equipment”. The “electric welding machinery” in the old category of “electric equipment and machinery”, the “weighing apparatus” in the old “Instruments, meters and other measuring equipment” and the “cast-iron pipe” in the “metal products” have all been included into it.

**(7) Electronic and telecommunication equipment(39)**

The “electronic computer” has been put into the new “instruments, meters, cultural and office machinery” and the “maintenance and repair of electronic computer” has been included into “computer services”.

**(8) Instruments, meters and other measuring equipment (40)**

The “glasses” in the old “other products” and the “electronic computer” once not included in this sector have been put into it. The “maintenance and repair of the instruments, meters, cultural and office machinery” has been included into the “other services”.

**(9) Real estate, public services and resident services; health services, sports and social welfare; culture, education, arts and radio recreation; scientific research and general technical services.**

There are no categories in the new GB200X that correspond to these sectors, which means their contents have been adjusted and reclassified in the new classification. Details about this are showed in the appendix Table 1 and Table 2.

**(10)Other changes between sectors.**

a few small sub-categories in the industries of “Cultural,Educational and sports products” and “Chemicals” in GB94 have moved to the new “Printing and replication of recording media” and “Manufacture of food products” in GB200X respectively.

**2. Some tentative ideas for modifying the database of the Mudan Model according to the new GB200x**

Based on the analysis above, we can see there are big differences between some of the 59 sectors of the Mudan Model and those of the new GB200X, which must be eliminated through some careful adjustment. The prerequisite of the adjustment is the collection of enough data. The paragraph below are our tentative idea for modifying our database.

(1) For the industries discussed above from (2) to (8), if the needed data can be collected, we will adjust and rename them so that they are as consistent as possible with the GB200X.

(2) For the industries discussed in (10),since they only change a little and thus have little influence, we will modify them according to the new GB200X.

(3) A new large sub-category “Recycling and processing of abandoned resources and scrap” has been added into the new GB200X whose content comes from the “recycling and wholesale of recyclable materials” in the category of “wholesale of energy sources, materials, machinery and electronic equipment” of the GB94. If its data can be correctly collected, we’ll add a corresponding sector in our model.

(4) The industries discussed in (9) are those been emphasized in the new GB200X and



need to be researched emphatically . we will try our best to make their meaning and coverage close to those in the new GB200X if the data are available.

(5) Furthermore, the data of the categories that have a “PT” mark in the appendix Table 3 should be decomposed, the succeed of which decides whether they can be tranfered to the new GB200X.

Thus, to analyze the data of various industries ,to understand the extent to which the data can be divided and to decide whether they can be scientificly decomposed are the imperative tasks . Although the new Industrial Classification of National Economy is still under revising and approving , its promulgating is inevitable. So these tasks are important, they directly determine the reclassifying of the 59 sectors in the Mudan Model.

## References

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small category	sub
16	
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**Table 2 Contrast of the New and the Old Industrial Classification**

<b>Industrial Classification of National Economy</b>			
<b>GB/T 4754-200X</b>		<b>GB/T 4754-94</b>	
<b>CODE</b>	<b>SECTOR</b>	<b>CODE</b>	<b>SECTOR</b>
<b>A</b>	<b>Crop cultivation, forestry, livestock and livestock products, fishery</b>	<b>A</b>	<b>Crop cultivation, forestry, livestock and livestock products, fishery</b>
01	Crop cultivation	01	Crop cultivation
011	Cultivation of corn and other grain	011	Crop cultivation
012	Cultivation of vegetable and other plants	011	Crop cultivation
013	Cultivation of fruit, nut, beverage and spice plant	011	Crop cultivation
014	Cultivation of herbal medicine	011	Crop cultivation
<b>02</b>	<b>Forestry</b>	<b>02</b>	<b>Forestry</b>
021	Cultivation and planting of trees	020	Forestry
022	Logging of timber and bamboo	12	Logging and transport of timber and bamboo
023	Gathering of forestry products	020	Forestry
		019	Other agricultural products
<b>03</b>	<b>Livestock and livestock products</b>	<b>03</b>	<b>Livestock and livestock products</b>
0320	Pig breeding	0310	Breeding and grazing of livestock
0340	Hunting and catching of animals	0330	Hunting
<b>04</b>	<b>Fishery</b>	<b>04</b>	<b>Fishery</b>
042	Inland fishery	042	Freshwater fishery
<b>05</b>	<b>Services for crop cultivation, forestry, livestock and livestock products, fishery</b>	<b>05</b>	<b>Services for crop cultivation, forestry, livestock and livestock products, fishery</b>
051	Services for crop cultivation		
0511	Irrigation services	051	Services for crop cultivation
0512	Preliminary processing and services for crop products	171	Preliminary processing of textile materials
0519	Other agricultural services	051	Agricultural services
053	Services for livestock	053	Livestock and veterinary services
		059	Other services for crop cultivation, forestry, livestock and livestock products, fishery
<b>B</b>	<b>Ore mining</b>	<b>B</b>	<b>Mining</b>
<b>06</b>	<b>Coal mining and processing</b>	<b>06</b>	<b>Coal mining and processing</b>
<b>07</b>	<b>Crude petroleum and natural gas products</b>	<b>07</b>	<b>Crude petroleum and natural gas products</b>
0710	Crude petroleum and natural gas products	0710	Crude petroleum products
		0720	Natural gas products
		0730	Crude petroleum products
079	Services for Crude petroleum and natural gas products	0710	Crude petroleum products
<b>08</b>	<b>Ferrous ore mining</b>	<b>08</b>	<b>Ferrous ore mining</b>
<b>09</b>	<b>Non-ferrous ore mining</b>	<b>09</b>	<b>Non-ferrous ore mining</b>
091	Common non-ferrous ore mining	091	Heavy non-ferrous ore mining
		093	Light non-ferrous ore mining
<b>10</b>	<b>Non-metal mineral mining</b>	<b>10</b>	<b>Non-metal mineral mining</b>

<b>Industrial Classification of National Economy</b>			
<b>GB/T 4754-200X</b>		<b>GB/T 4754-94</b>	
<b>CODE</b>	<b>SECTOR</b>	<b>CODE</b>	<b>SECTOR</b>
<b>11</b>	<b>Other mining</b>	<b>11</b>	<b>Other mining</b>
<b>C</b>	<b>Manufacture</b>	<b>C</b>	<b>Manufacture</b>
<b>13</b>	<b>Agricultural and food products</b>	<b>13</b>	<b>Food products</b>
1310	Grain milling	1311	Rice milling
		1312	Flour milling
1320	Forage	1314	Mixed forage
		1315	Albumen forage
		1319	Other forage
134	Sugar refining	133	Sugar refining
135	Slaughtering and meat processing	134	Slaughtering, meat processing, eggs and dairy products
136	Prepared fish and seafood	135	Prepared fish and seafood
1363	Aquatic forage	1317	Aquatic forage
139	Other agricultural and food products		
1391	Starch and starch products	1492	Starch and starch products
		1497	Starchy sugar
1392	Bean products	1491	Bean products
1393	Eggs products	1344	Eggs products
1399	Other agricultural and food products not listed above	1390	Other food products
<b>14</b>	<b>manufacture of food products</b>	<b>14</b>	<b>manufacture of food products</b>
1411	Pastry and bread products	1412	Pastry
1493	Salt products	1360	Salt products
1494	Additive for food and forage	2677	Additive products
<b>15</b>	<b>Beverage</b>	<b>15</b>	<b>Beverage</b>
151	Spirits	1511	Spirits
152	Wines and liquors		
154	Refined tea products	1550	Tea products
<b>16</b>	<b>Tobacco products</b>	<b>16</b>	<b>Tobacco products</b>
<b>17</b>	<b>Textiles</b>	<b>17</b>	<b>Textiles</b>
1755	Rope and cable products	285	Fishing tools and materials for fishing tools
1759	Other textile products	1790	Other textiles
		1890	Other fiber products
<b>18</b>	<b>Wearing apparel, shoes and hats</b>	<b>18</b>	<b>Wearing apparel and related products</b>
<b>19</b>	<b>Leather,furs,down and feather products</b>	<b>19</b>	<b>Leather,furs,down and feather products</b>
<b>20</b>	<b>Products of wood, bamboo, cane, palm, straw,etc.</b>	<b>20</b>	<b>Products of wood, bamboo, cane, palm, straw,etc.</b>
203	Wood products	203	Wood products
2031	Wood products and components for construction	2031	Wood products used for producing
2032	Wood container	2033	Wood products used for living
		2031	Wood products used for producing

<b>Industrial Classification of National Economy</b>			
<b>GB/T 4754-200X</b>		<b>GB/T 4754-94</b>	
<b>CODE</b>	<b>SECTOR</b>	<b>CODE</b>	<b>SECTOR</b>
<b>21</b>	<b>Furniture</b>	<b>21</b>	<b>Furniture</b>
<b>22</b>	<b>Paper and paper products</b>	<b>22</b>	<b>Paper and paper products</b>
<b>23</b>	<b>Printing and replication of recording media</b>	<b>23</b>	<b>Printing and replication of recording media</b>
2312	Book printing	2413	Book manufacture
<b>24</b>	<b>Cultural, educational and sports products</b>	<b>24</b>	<b>Cultural, educational and sports products</b>
241	Cultural products	241	Cultural products
2419	Other cultural products	2419	Other cultural products
242	Sports products	242	Sports products
2423	Training and body-shaping products	2429	Other sports products
2424	Sports safety products	2429	Other sports products
2429	Other sports products	2859	Other fishing tools products
		2429	Other sports products
<b>25</b>	<b>Petroleum refining, coking and nuclear-fuel processing</b>	<b>25</b>	<b>Petroleum refining and coking</b>
253	Nuclear-fuel processing	2676	Radioactive chemical products
		3349	Other lanthanon metal smelting
		3387	Sparse lanthanon metal processing
<b>26</b>	<b>Chemical materials and products</b>	<b>26</b>	<b>Chemical materials and products</b>
266	Special chemical roducts	267	Special chemical roducts
2662	Special chemical roducts	2672	Special chemical roducts
		2682	Synthetic fatty acid
		2683	Stearic acid and stearin products
2663	Forest chemical products	2673	Forest chemical products
<b>27</b>	<b>Medical and pharmaceutical products</b>	<b>27</b>	<b>Medical and pharmaceutical products</b>
2770	Health materials and medical and pharmaceutical products	3654	Medical materials and products
<b>28</b>	<b>Chemical fibers</b>	<b>28</b>	<b>Chemical fibers</b>
<b>29</b>	<b>Rubber products</b>	<b>29</b>	<b>Rubber products</b>
<b>30</b>	<b>Plastic products</b>	<b>30</b>	<b>Plastic products</b>
<b>31</b>	<b>Non-metal mineral products</b>	<b>31</b>	<b>Non-metal mineral products</b>
311	Cement, lime and gypsum	311	Cement
		3132	Lime
314	Glass and Glass products	314	Glass and Glass products
		318	Mineral fibers and products
<b>32</b>	<b>Ferrous metal smelting and processing</b>	<b>32</b>	<b>Ferrous metal smelting and processing</b>
<b>33</b>	<b>Non-ferrous metal smelting and processing</b>	<b>33</b>	<b>Non-ferrous metal smelting and processing</b>
331	Common non-ferrous metal smelting and	331	Heavy non-ferrous metal smelting and
		332	Light non-ferrous metal smelting and processing
<b>34</b>	<b>Metal products</b>	<b>34</b>	<b>Metal products</b>
342	Metal tools	343	Tools
<b>35</b>	<b>General equipment and machinery</b>	<b>35</b>	<b>Common equipment and machinery</b>

<b>Industrial Classification of National Economy</b>			
<b>GB/T 4754-200X</b>		<b>GB/T 4754-94</b>	
<b>CODE</b>	<b>SECTOR</b>	<b>CODE</b>	<b>SECTOR</b>
3524	Equipment for metal incision and welding	4091	Electric welding machinery
3560	Baker, furnace and electric furnace	4092	Industrial electric furnace
3577	Weighing apparatus	4243	Weighing apparatus
<b>36</b>	<b>Special equipment</b>	<b>36</b>	<b>Special equipment</b>
361	Special equipment for ore mining, metal smelting and construction	361	Special equipment for ore mining, metal smelting and machinery
3612	Special equipment for oil extraction	3621	Special equipment for petroleum industry
3613	Equipment and machinery for construction and engineering	3671	Construction machinery
362	Special equipment for chemicals, timber, non-metal materials processing	362	Petroleum chemicals equipment and other equipment
3625	Mould	3434	Mould
367	Special equipment for agriculture, forestry, livestock and fishery	364	Special equipment for agriculture, forestry, livestock, fishery and water conservancy
3671	Tractor	3641	Tractor
3673	Forestry equipment	3643	Forestry planting equipment
		3626	Special equipment for forestry
368	Medical equipment, machinery and device	365	Medical equipment
<b>37</b>	<b>Transport equipment</b>	<b>37</b>	<b>Transport equipment</b>
371	Railroad transport equipment	371	Railroad transport equipment
3712	Special track vehicle for production	3532	Special vehicle for production
3719	Other railroad transport equipment	3719	Other railroad transport equipment
		3781	Maintenance and repair of railroad transport equipment
372	Automobile	372	Automobile
3723	Trolley	3750	Trolley
		3784	Maintenance and repair of trolley
3726	Maintenance and repair of automobile	3782	Maintenance and repair of automobile
375	Ship and floating device	376	Ship building
3752	Non-metallic ship building	4391	Other products for production
3753	Building and repair of recreational and sports ships	2423	Sports equipment
3755	Maintenance, repair and breaking of ships	4391	Other products for production
		3785	Maintenance and repair of ships
376	Air and space crafts	377	Air and space crafts
<b>39</b>	<b>Electric equipment and machinery</b>	<b>40</b>	<b>Electric equipment and machinery</b>
395	Household electric appliances	406	Household electric appliances
396	Non-electric household appliances		
3961	Gas-fired, Solar-powered and similar utensils	3487	Gas-fired utensils
3969	Other non-electric machinery and	3486	Cooking utensils
<b>40</b>	<b>Telecommunication equipment, computer and other electronic equipment</b>	<b>41</b>	<b>Electronic and communication equipment</b>

<b>Industrial Classification of National Economy</b>			
<b>GB/T 4754-200X</b>		<b>GB/T 4754-94</b>	
<b>CODE</b>	<b>SECTOR</b>	<b>CODE</b>	<b>SECTOR</b>
<b>41</b>	<b>Instruments, meters, cultural and office machinery</b>	<b>42</b>	<b>Instruments, meters, cultural and office machinery</b>
413	Clock, watch and other chronometric instruments	4260	Clock and watch
		4214	Chronometric instruments
414	Optical instruments and glasses		
4141	Optical instruments	4213	Optical instruments
4142	Glasses	4353	Glasses
<b>42</b>	<b>Art crafts and other products</b>	<b>43</b>	<b>Other products</b>
<b>43</b>	<b>Recycling and processing of abandoned resources and scrap</b>		
4310	Processing of metal scrap and waste	6290	Recycling and wholesale of recyclable materials
4320	Processing of non-metal scrap and waste	6290	Recycling and wholesale of recyclable materials
<b>D</b>	<b>Electricity, gas and water production and supply</b>	<b>D</b>	<b>Electricity, gas and water production and supply</b>
<b>44</b>	<b>Electricity and heatness production and supply</b>	<b>44</b>	<b>Electricity, steam and hot water production and supply</b>
<b>45</b>	<b>Gas production and supply</b>	<b>45</b>	<b>Gas production and supply</b>
<b>46</b>	<b>Water production and supply</b>	<b>46</b>	<b>Water production and supply</b>
<b>E</b>	<b>Construction</b>	<b>E</b>	<b>Construction</b>
<b>47</b>	<b>House and civil engineering construction</b>	<b>47</b>	<b>House and civil engineering construction</b>
4710	House engineering construction	4810	House construction
4724	Construction of cable installation and pipe engineering	4810	Cable and pipe installation
4729	Other house and civil engineering construction	4790	Other house and civil engineering construction
<b>48</b>	<b>Construction and installation</b>	<b>48</b>	<b>Cable, pipi and equipment installation</b>
4800	Construction and installation	4810	Cable and pipe installation
		4820	Equipment installation
<b>49</b>	<b>Construction and ornamentation</b>	<b>49</b>	<b>Construction and ornamentation</b>
<b>50</b>	<b>Construction services</b>		
<b>F</b>	<b>Transport, warehousing, post and telecommunication</b>	<b>G</b>	<b>Transport, warehousing, post and telecommunication</b>
<b>51</b>	<b>Railway transport</b>	<b>52</b>	<b>Railway transport</b>
<b>52</b>	<b>Highway transport</b>	<b>53</b>	<b>Highway transport</b>
523	Auxiliary services for highway transport	571	Highway management and maintenance
<b>53</b>	<b>Urban public transport</b>		
<b>54</b>	<b>Water transport</b>	<b>55</b>	<b>Water transport</b>
5431	Port for passenger transport	5721	Coastal port services
		5722	River and lake port services
5432	Port for freight transport	5721	Coastal port services
		5722	River and lake port services
5439	Auxiliary services for water transport	5730	
<b>55</b>	<b>Air transport</b>	<b>56</b>	<b>Air transport</b>
553	Auxiliary services for air transport	574	Airport and auxiliary services for air transport
<b>56</b>	<b>Pipeline transport</b>	<b>54</b>	<b>Pipeline transport</b>



<b>Industrial Classification of National Economy</b>			
<b>GB/T 4754-200X</b>		<b>GB/T 4754-94</b>	
<b>CODE</b>	<b>SECTOR</b>	<b>CODE</b>	<b>SECTOR</b>
<b>57</b>	<b>Load, unload, portage and other services for transport</b>		
5710	Load, unload and portage	5750	Load, unload and portage
5720	Transport agent services	5790	Other auxiliary services for transport not listed above
<b>58</b>	<b>Warehousing</b>	<b>59</b>	<b>Warehousing</b>
<b>59</b>	<b>Post</b>	<b>60</b>	<b>Post and telecommunication</b>
<b>G</b>	<b>Information transmission, computer services and software</b>		
<b>60</b>	<b>Information transmission services</b>		
601	Telecommunication	602	Telecommunication
		603	Post
602	Internet information services	833	Data services
603	Radio and television transmission services	911	Radio
		913	Television
604	Satellite transmission services	602	Telecommunication
<b>61</b>	<b>Computer services</b>	834	The maintenance and services of computer equipments
		832	Data processing
<b>62</b>	<b>Software</b>	831	Software development and consultation
<b>H</b>	<b>Wholesale and retail trade</b>	<b>H</b>	<b>Wholesale and retail trade, restaurants</b>
<b>63</b>	<b>Wholesale trade</b>	<b>61</b>	<b>Wholesale of food, beverage, tobacco and</b>
		<b>62</b>	<b>Wholesale of power resources, materials,</b>
		<b>63</b>	<b>Wholesale of other products</b>
<b>65</b>	<b>Retail trade</b>	<b>64</b>	<b>Retail trade</b>
<b>I</b>	<b>Hotels and restaurants</b>		<b>Hotels and restaurants</b>
<b>66</b>	<b>Hotels</b>	<b>78</b>	<b>Hotels</b>
<b>67</b>	<b>Restaurants</b>	<b>67</b>	<b>Restaurants</b>
<b>J</b>	<b>Finance</b>	<b>I</b>	<b>Finance and insurance</b>
<b>68</b>	<b>Banking</b>	<b>68</b>	<b>Finance</b>
<b>69</b>	<b>Securities</b>		
6910	Stock market administration	6879	Other non-bank finance services not listed above
692	Broker and exchanging of Securities	686	Broker and exchanging of Securities
693	Security investment	685	Trust and investment
694	Security consultation and related services	686	Broker and exchanging of Securities
<b>70</b>	<b>Insurance</b>	<b>70</b>	<b>Insurance</b>
<b>71</b>	<b>Other finance services</b>		
711	Financial trust and management	685	Trust and investment
712	Finance lease	6872	Finance lease
713	Finance company	6871	Finance company
714	Post saving	682	Commercial bank
715	Pawn	6873	Pawn
719	Other finance services not listed above	6879	Other non-bank finance services not listed above
<b>K</b>	<b>Real estate</b>	<b>J</b>	<b>Real estate</b>
<b>72</b>	<b>Real estate</b>	<b>72</b>	<b>Real estate development and operation</b>

<b>Industrial Classification of National Economy</b>			
<b>GB/T 4754-200X</b>		<b>GB/T 4754-94</b>	
<b>CODE</b>	<b>SECTOR</b>	<b>CODE</b>	<b>SECTOR</b>
		<b>73</b>	<b>Real estate management</b>
		<b>74</b>	<b>Real estate broker and agent</b>
<b>L</b>	<b>Lease and business services</b>		
<b>73</b>	<b>Lease</b>	<b>79</b>	<b>Lease services</b>
<b>74</b>	<b>Business services</b>		
741	Services for enterprise management	991	Enterprise management
742	Law services		
7421	Lawyer and related law services	8222	Lawyer agency
7422	Notarization services	8221	Notarization
7429	Other law services	8290	Other information consultative services not listed above
743	Consultation and investigation	8223	Accounting, auditing and statistical consultation
		8224	Social investigation
		8290	Other information consultative services not listed above
744	Advertisement	821	Advertisement
745	Services for intellectual property	8490	Other social services not listed above
		9390	Other general technical services
746	Job introduction	841	Market management and services
747	Market management	842	Market management and services
748	Tour agency	80	Tour services
749	Other business services	769	Other resident services
		849	Other social services not listed above
<b>M</b>	<b>Scientific research, technical services and geological prospecting</b>		
<b>75</b>	<b>Research and development</b>	<b>92</b>	<b>Scientific research</b>
<b>76</b>	<b>Special technical services</b>	<b>93</b>	<b>General technical services</b>
763	Ocean	935	Ocean environment
764	Surveying and drawing	933	Surveying and drawing
765	Technical examination	934	Technical supervision
		856	Medicine examination
766	Environment supervision and surveying	936	Environment protection
767	Engineering technics and planning management		
7671	Engineering management and services	759	Other public services
7672	Engineering prospecting and design	504	Engineering geological prospecting
		938	Engineering design
		933	Surveying and drawing
7673	Planning management	759	Other public services
		756	Scenic and famous spot management
769	Other special technical services	939	Other general technical services
<b>77</b>	<b>Services for Technical communication and popularization</b>	<b>937</b>	<b>Services for Technical popularization and scientific and technical communication</b>
<b>78</b>	<b>Geological prospecting</b>	<b>50</b>	<b>Geological prospecting</b>
<b>N</b>	<b>Water conservancy, environmental resources and public facilities management</b>		

<b>Industrial Classification of National Economy</b>			
<b>GB/T 4754-200X</b>		<b>GB/T 4754-94</b>	
<b>CODE</b>	<b>SECTOR</b>	<b>CODE</b>	<b>SECTOR</b>
<b>79</b>	<b>Water conservancy</b>	<b>51</b>	<b>Water conservancy</b>
<b>80</b>	<b>Environmental resources management</b>		
801	Nature protection	753	Management of natural reservation
		752	Gardening and horticulture
802	Environment treatment	759	Other public services
		754	Environmental cleaning
		936	Environment protection
<b>81</b>	<b>Public facilities management</b>		
811	City public facilities management	755	City public project management
812	City gardening management	752	Gardening and horticulture
813	Scenic spot management	756	Scenic and famous spot management
		752	Gardening and horticulture
<b>O</b>	<b>Resident services and other services</b>		
<b>82</b>	<b>Resident services</b>	<b>76</b>	<b>Resident services</b>
<b>83</b>	<b>Other services not listed above</b>		
831	Maintenance and repair		
8311	Maintenance and repair of automobil and motorcycle	3782	Maintenance and repair of automobile
		3783	Maintenance and repair of motorcycle
		849	Other social services not listed above
8312	Maintenance and repair of office equipment	4280	Instruments, meters, cultural and office machinery
8313	Repair of household electric appliances	766	Repair of products for daily-use
8314	Repair of other products for daily-use	766	Repair of products for daily-use
832	Cleaning services	849	Other social services not listed above
		769	Other resident services
839	Other services not listed above	849	Other social services not listed above
<b>P</b>	<b>Education</b>		
<b>84</b>	<b>Education</b>	<b>89</b>	<b>Education</b>
<b>Q</b>	<b>Health services, social security and social welfare</b>		
<b>85</b>	<b>Health services</b>	<b>85</b>	<b>Health services</b>
<b>86</b>	<b>Social security</b>	<b>8720</b>	<b>Social insurance and relief</b>
<b>87</b>	<b>Social welfare</b>	871	Social welfare
		879	Other social welfare and security not listed above
<b>R</b>	<b>Culture, sports and recreation</b>		
<b>88</b>	<b>News and press</b>		
881	News	907	News
882	Press	902	Press
<b>89</b>	<b>Radio, television, films and audio and video products</b>	<b>91</b>	<b>Radio, television and films</b>
894	Audio and video products	912	films
		902	press
<b>90</b>	<b>Culture and arts</b>	<b>90</b>	<b>Culture and arts</b>
<b>91</b>	<b>Sports</b>	<b>86</b>	<b>Sports</b>
<b>92</b>	<b>Recreation</b>	<b>81</b>	<b>Recreational services</b>

<b>Industrial Classification of National Economy</b>			
<b>GB/T 4754-200X</b>		<b>GB/T 4754-94</b>	
<b>CODE</b>	<b>SECTOR</b>	<b>CODE</b>	<b>SECTOR</b>
<b>S</b>	<b>Public administration and social organizations</b>		
<b>93</b>	<b>Chinese communist party organizations</b>	<b>95</b>	<b>Political party administrations</b>
<b>94</b>	<b>State administrations</b>	<b>94</b>	<b>State administrations</b>
9427	Administrative organizations of supervision and inspection	9400	State administration
		9340	Technical supervision
		7590	Other public services
<b>95</b>	<b>People's political consultative conference and democratic parties</b>	<b>95</b>	<b>Political party administrations</b>
<b>96</b>	<b>Mass organizations, social and religious organizations</b>	<b>96</b>	<b>Social organizations</b>
963	Religious organizations	960	Social organizations
		909	Other culture and arts
<b>97</b>	<b>Mass organizations</b>	<b>97</b>	<b>Mass organizations</b>
<b>T</b>	<b>International organizations</b>		
<b>98</b>	<b>International organizations</b>	<b>999</b>	<b>Other industries not listed above</b>

## Classification and Codes

Explanatory Notes
The previous "other agricultural products" is included into "forestry".
The previous "crop cultivation" is divided into 4 medium sub-categories and 16 small sub-categories
011 divided
011 divided
011 divided
020 divided
previously included in the "mining and processing"
02 divided previously included in the "crop cultivation"
newly added by dividing the previous 0310
renamed
renamed
newly added by dividing the previous 0510
previous included in textile goods
divided
renamed and the previous 053 divided into two small sub-categories
removed
renamed and the previous "coal mining" and "coal processing" reclassified into 3 medium sub-categories based on the coal variety ,according to the ISIC
The previous 0710, 0720, 0730 merged
newly divided from the previous 0710 according to the ISIC
renamed , the previous 091 and 093 merged and 3 small sub-categories removed

## Explanatory Notes

renamed

renamed

the previous 11313 "rice and flour products"  
adjusted to the new 1431

a newly added medium sub-category by combining the  
previous 1314, 1315 and 1319 with 1317 included the  
new 136 "prepared fish and seafood"

a new medium sub-category by combining 3 small  
sub-categories

renamed and the previous 1344 "egg products"  
included into new 1339

previously in 131

newly added medium sub-category

combining the previous 1492 and 1497

previously included in 149

previously included in 134

renamed

renamed with the bread products included in  
previously included in 13

renamed and adjusted from the previous 267

The previous 151 "wines, spirits and liquors" are  
divided into 2 medium sub-categories of "spirits" and  
"wines and liquors".

the previous 1511 upgraded as a medium sub-  
category

newly added medium sub-category

renamed

renamed

5 small sub-categories in the previous 171 of  
"preliminary processing of fiber materials" removed  
and included in the 0512 of "preliminary processing  
and services for crop products" of A category.

4 small sub-categories merged and adjusted

previous 1790 and 1890 merged and adjusted

renamed

renamed

adjusted and no longer classified by the useness  
according to the ISIC

renamed with the "Wrapping wood products"  
included in the new 2032

the previous 2033 and 2031 merged

## Explanatory Notes

adjusted from previous 241 medium sub-cat.

the previous 2413 included in to the new  
the previous "products of chess and playing-cards"  
in 2419 included in the new 2452.

newly added by dividing the previous 2429

newly added by dividing the previous 2429

the previous 2859 and the rest of the previous 2429  
included in

newly added with including of 2676 and some of the  
3349 and 3387

3 small sub-categories from previous 268 and a new  
2669 added together with 2676 and 2677 included into  
2530 and 1494 respectively according to the ISIC

the previous 2672, 2682 and 2683 merged

some of the "softwood products" included in the  
new 2039 according to ISIC

the previous 3654 moved in

renamed and the previous 3654 moved in

the previous 285 removed and 4 small categories  
through 2851 to 2854 merged for the new 1755, 2859  
moved to the new 2429

renamed and 3132 "Lime" moved in

the previous 314 and 318 merged

the previous 331 and 332 merged and some small sub-  
categories removed

the previous 3434 moved to the new 3625

renamed with the previous 3434 "mould" moved to  
the new 3625

renamed and the previous 35 reclassified

## Explanatory Notes

renamed and adjusted from the previous 409

renamed and adjusted from the previous 409

adjusted from the previous 424

renamed and adjusted with the previous 3621 and 3671 moved in and 3615, 3617 and 3619 moved to the new 366

renamed and adjusted from the previous 362

renamed and adjusted from the previous 367

renamed and adjusted with the previous 3627 and 3628 moved to the new 364

adjusted from the previous 343

renamed and adjusted with the 3646 moved to the new 369

adjusted and the tractors for forestry included

renamed and including logging equipment in the previ

the previous 3673 included in and 3654 moved to the new 2770, previous 3685 "maintenance and repair of medical equipment" removed and its contents moved to the production of various medical equipment

the previous 378 removed and its small sub-category moved to corresponding industries respectively

the previous 3523 and 3781 included into it

adjusted from the previous 353

adjusted from the previous 378

the previous 375,3784,3782 moved in

the previous 3750 and 3784 merged and adjusted

adjusted from the previous 378

renamed with the previous 3765 "oil extraction platform" moved to the new 4723

newly added by dividing the previous 4391

newly added by dividing the previous 2423

adjusted after merging the previous 3785 and 4391

the previous 3786 "Maintenance and repair of air crafts" moved to the new 3761

new contents added

newly added with the 3486 and 3487 in the previous "Metal products" moved in it

renamed and adjusted

renamed and adjusted

renamed and adjusted, the previous 418 removed and small sub-categories in it moved to corresponding new industries, previous 4183 "Maintenance and repair of computer" moved to new 6130



## Explanatory Notes

the previous 423 and 424 removed, 4243 moved to the new 3577 and 4280 moved to the new 8312

newly added medium sub-category merging the previous 4214 and 4260

newly added medium sub-category

adjusted from the previous 421

adjusted from the previous 435

renamed

newly added large sub-category

newly added with the previous 6290 divided

newly added with the previous 6290 divided

renamed

renamed

renamed

renamed

some contents of the previous 4810 included

partial corresponding

renamed and adjusted

partial corresponding

renamed with some contents of the previous 4900 moved out

newly added with some contents of the previous 479 "other house and civil engineering construction"

the previous 52 divided into 3 medium sub-categories

renamed with the previous 571 divided into 3 small sub-categories

newly added with the previous 751 "urban public transport" and 580 "other transport" merged

the previous 55, 572 and 573 merged

the previous 5721 divided

the previous 5722 divided

the previous 5721 divided

the previous 5722 divided

renamed and the previous 577 divided into 3 small sub-categories

## Explanatory Notes

newly added large sub-category with the previous 5750 and 5790 merged

the previous 59 divided into 2 medium sub-categories including the previous 601 and some contents of the 603

newly added large sub-category

partial contents

partial contents

renamed

some contents of the previous 911 and 913 moved into it

partial contents

newly added large sub-category

newly added with the previous 831 upgraded into a large sub-category

the previous 3 large sub-categories of 61, 62 and 63 3 large sub-categories merged

medium and small sub-categories in it adjusted

renamed with the 78 divided into 3 small sub-categories

renamed and including the previous 681 "central bank", 682 "commercial banks", 683 "other banks" and 684 "cooperative financial institutions"

newly added big sub-category including the previous 686 and some contents of the 686 and 6879

newly added with the previous 6879 divided

newly added with the previous 685 divided

newly added with contents from the previous 686

the previous big sub-category of 70 divided into 3 medium sub-categories

newly added big sub-category

newly added with the previous 685 divided

newly added with contents from the previous 682

newly added with the previous 6879 divided

## Explanatory Notes

the previous 72, 73 and 74 included

renamed with the previous 79 divided

newly added big sub-category

newly added and adjusted from the previous 99 of Other industries

newly added medium sub-category

renamed

renamed

newly added with contents from the previous 8290

partial contents

newly added with the previous 8490 divided the "patent activities" of the previous 9390 included

newly added with the previous 841 divided

newly added with the previous 842 divided

the previous big sub-categories degraded into a medium one

newly added with the previous 8490 divided

renamed

renamed and adjusted

renamed with the "ocean pollution treatment" of the previous 935 removed

adjusted with the "engineering surveying and drawing" of the previous 933 removed

renamed with the previous 9334 divided

the previous 856 removed

newly added with the previous 936 divided

newly added

newly added with the previous 759 divided

the "engineering surveying and drawing" in the previous 933

newly added with the previous 759 divided

the previous 756 not included

adjusted with the previous "patent activities" of 939 removed

renamed with the previous 937 upgraded into a big sub-category

## Explanatory Notes

the previous 51 divided

newly added big sub-category

the previous 752 divided

some of the previous 759 included in

some of the previous 936 included in

newly added big sub-category

renamed and adjusted with the previous 755 of "sewage treatment" included in the new 802

the previous 752 divided

the previous 752 divided

some of the previous 7690 of "other resident services" included in the new 83

newly added big sub-category

some of the previous 3782 included in

some of the previous 3783 included in

the previous 8490 of "services for automobil" included in and divided

partial contents

partial contents

partial contents

some of the previous 769 included in

partial contents

the previous 856 of "medicine examination" included in the new 765 of "technical examination"

renamed and a newly added big sub-category

newly added big sub-category

newly added big sub-category

partial contents

renamed

partial contents

some of the previous 902 included in

the 907 of "news" and 902 of "press" in the previous 90 included in the new 88 and 89 respectively

the previous 86 divided

renamed

**Explanatory Notes**

newly added divided from the previous 95
renamed and the previous 94 divided
partial contents the previous 9340 divided some contents of the previous 7590 included in
renamed and divided from the previous 95
renamed with the previous 96 divided
partial contents the previous 909 of "Religious activities" included in
newly added and partly corresponding with the previous 999 removed

**Table 3 Contrast of Classification of 59-sector Model, 1997 I-O Table, GB94 and GB200X**

Mudan IV 59-sector Classification	Industrial Classification and Codes of 1997 I-O Table	Industrial Classificatio n and Codes of GB94	Industrial Classificatio n and Codes of GB200X	Explanatory Notes
1 Crop cultivation	0101001 0101005	011 019	01 023	19_94C =>023_200XC
2 Forestry	0102	02	021	
3 Livestock and livestock products	0103	03	03	
4 Fishery	0104	04	04	
5 Coal mining and processing	02	06	06	
6 Crude petroleum and natural gas mining	03	07	07	
7 Ferrous metal mining	0408	08	08	
8 Non-ferrous metal mining	0409	09	09	
9 Non-metal and other ore mining	0510	10 11	10 11	
10 Logging of timber and bamboo	0512	12	023	
11 Food products	0613 0614	13-14	13-14 [1494]	Note 4
12 Beverage	0615	15	15	
13 Tobacco products	0616	16	16	
14 Textiles	07	17 171	17 0512 [1755]	Note 2 Note 5 171_94C =>0512_200XC
15 Wearing apparel	0818	18	18	
16 Leather, furs, down and related products	0819	19	19	
17 Wood sawmills and bamboo, cane, straw, etc. products	0920 0921PT	20	20 [2039PT]	Note 3
18 Furniture	0921PT	21	21	
19 Paper and paper products	1022	22	22	
20 Printing	1023	23	23 [2312]	
21 Cultural, Educational and sports products	1024	24 2413	24 2312 [2429PT]	2413_94C =>2312_200XC
22 Petroleum processing and coking	11	251-253	25 [2530]	
23 Chemicals	1226	26 2673 2676 2677	26 2039PT 2530PT 1494	2673_94C=>2039PT_200XC 2676_94C=>2530PT_200XC 2677_94C =>1494_200XC
24 Medical and pharmaceutical products	1227	27	27 [2770]	
25 Chemical fibers	1228	28 2851 2852 2853 2854 2859	28 1755 2429PT	2851_94C 2852_94C 2853_94C 2854_94C =>0512_200XC 2859_94C=>2429PT_200XC
26 Rubber products	1229	29	29	
27 Plastic products	1230	30	30	
28 Construction materials and other non-metal mineral products	13	31	31	
29 Ferrous metal smelting and processing	1432	32	32	

<b>Mudan IV 59-sector Classification</b>	<b>Industrial Classification and Codes of 1997 I-O Table</b>	<b>Industrial Classificatio n and Codes of GB94</b>	<b>Industrial Classificatio n and Codes of GB200X</b>	<b>Explanatory Notes</b>
30 Non-ferrous metal smelting and processing	1433	33 3349 3387	33 2530PT	3349_94C=>2530PT_200XC 3387_94C=>2530PT_200XC
31 Metal products	15	34 3420 3434 3486 3487	34 3591 3625 396	3420_94C =>3591_200XC 3434_94C =>3625_200XC 3486_94C =>396_200XC 3487_94C =>396_200XC
32 Machinery and equipment	16  2138082PT	35 3532  36 3654 358 368	35 3712 [3524] [3577] [3591] 36 [3625] 2770 3583	3532_94C =>3712_200XC    3654_94C =>2770_200XC Maintenance and repair Maintenance and repair
33 Railroad transport equipment	1737067 2138082PT	371  3781	371 [3712] 3719PT	Maintenance and repair
34 Highway transport equipment	1737068 2138082PT	372 3782	372 3723PT	Maintenance and repair
35 Ship building	1737069  2138082PT	376  3765 3785	3751 3754 4723PT 3755PT	3765_94C =>4732_200XC Maintenance and repair
36 Air transport equipment	1737070 2138082PT	377 3786	376 3761PT	Maintenance and repair
37 Other transport equipment	1737071 1737072 2138082PT	373 374 375 379 3789 3783 3784	373 374 3723PT 379 3799 8311PT 3723PT	Maintenance and repair
38 Electric equipment and machinery	18	40 4091 4092  408	39 3524 3560 [396] 3999PT	4091_94C =>3524_200XC 4092_94C =>3560_200XC  Maintenance and repair
39 Electronic and telecommunication equipment	19	41 4173 4183  4181 4182 4189	40 4155 6130  4019PT 4039PT 409PT	4173_94C =>4155_200XC 4183_94C =>6130_200XC Maintenance and repair Maintenance and repair Maintenance and repair Maintenance and repair
40 Instruments, meters and other measuring equipment	20	42 4243 4280	41 3577 8312 [4142] [4155]	4243_94C =>3577_200XC 4280_94C =>8312_200XC Maintenance and repair
41 Other products	22	43 4353 4391	42 4142 3752 3755PT	4353_94C =>4142_200XC 4391_94C =>3752_200XC 4391_94C=>3755PT_200XC

<b>Mudan IV 59-sector Classification</b>	<b>Industrial Classification and Codes of 1997 I-O Table</b>	<b>Industrial Classificatio n and Codes of GB94</b>	<b>Industrial Classificatio n and Codes of GB200X</b>	<b>Explanatory Notes</b>
42 Electricity, steam and hot water production and supply	24	44	44	
43 Gas production and supply	25	45	45	
44 Water production and supply	26	46	46	
45 Construction	27	47-49	47-50	
46 Railway transport	2852091 3252102 2858096PT	52 575PT	51 57PT	
47 Highway transport	2853092 3253103 2858096PT	53 571 575PT 58	52 57PT 5390PT	
48 Water transport	2855094 3255104 2858096PT	55 572-573 575PT	54 57PT	
49 Air transport	2856095 3256105 2858096PT	56 574 575PT	55 57PT	
50 Pipeline transport	2854093	54	56	
51 Post and telecommunication	29	60	59 601	
52 Domestic commerce and foreign trade	30  2859097	61-65 629 59	63 65 43 58	629_94C =>43_200XC
53 Hotels and restaurants	31 3578111	67 78	67 66	
54 Finance and insurance	33	68 70	68-71	
55 Real estate, public services and resident services	34  35	72-74 79 75  7519  76  80 81 82-84  8330	72 73 81-82 53 5390PT 7671 7673 801 8021-8022 8313 8319 7480 92 742-744 746-747 61-62 8311 832 602	7519_94C=>5390PT_200XC              8330_94C =>602_200XC
56 Health services, sports and social welfare	36	85-87	85-87  91	
57 Culture and arts, education, radio etc. recreation	37	89-91	84  88-90	
58 Scientific research and general	38	05	05	



Mudan IV 59-sector Classification	Industrial Classification and Codes of 1997 I-O Table	Industrial Classification and Codes of GB94	Industrial Classification and Codes of GB200X	Explanatory Notes
technical services	39	50 51 92 93 933 938	[0512] 78 79 75 761-766 7672PT 7690 77	933_94C =>7672PT_200XC 938_94C =>7672PT_200XC
59 Public administration	40	94	94	

Notes

1. The details of the titles of industries in the 1997 I-O Table, GB94 and GB200X can be seen in the 1997 Input-Output Table of China, Nation Standard GB/T 4754-94 of PRC, Nation Standard GB/T 4754-200X of PRC, respectively.

2. The “()” denotes that the industry included in it is a sub-category of another industry displayed above it. For instance, “(171)” represents that “171” is a sub-category of the industry 10 discussed above.

3. The suffix “PT” represents a part of the industry. For instance, “2039PT” represents a part of the “2039”.

4. The “[ ]” denotes the industry included in it has been removed from the industry in which it was previously included.

5. The “XX\_94C” denotes the classification of GB94 while the “XX\_200XC” represents the classification of GB200X.