

# **USER'S GUIDE**

**2002**

# **PACAP DATABASES**

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## PREFACE

The Pacific-Basin Capital Markets (PACAP) Databases are created and maintain by the Sandra Ann Morsilli Pacific-Basin Capital Markets Research Center, College of Business Administration at The University of Rhode Island in collaboration with the Asia-Pacific Financial Markets Research Center of the University of Hawaii. Once completed, the PACAP Databases will consist of historical capital markets data for 8 capital markets in the Pacific-Basin region. Markets and the target completion dates are as follows:

<u>COUNTRIES</u>	<u>TARGET DATE FOR AVAILABILITY</u>
Hong Kong	Now Available
Japan	Now Available
Korea	Now Available
Malaysia	Now Available
Taiwan	Now Available
Thailand	Now Available
Indonesia	Now Available
Singapore	Now Available

For each country's databases, 13 (or 14) files are currently included in the PACAP:

1. Company File
2. Daily Exchange Rate File
3. Key Economic Statistics File - Monthly
4. Key Economic Statistics File - Quarterly/Yearly
5. Calendar File
6. Financial Statements File - Industrial Companies
7. Financial Statements File - Financial Companies
8. Capital Distributions File
9. Monthly Market Returns File
10. Monthly Indices File
11. Daily Market Returns File
12. Daily Indices File
13. Monthly Stock Price and Returns File
14. Daily Stock Price and Returns File

Currently, the PACAP files consist of data from January 1, 1975 to December 31, 2001. Both common and preferred stocks are recorded.

Subscription is on a country-by-country basis. Annual update services are available in or around September of each year.

Stock market and company information is collected from the individual country's Stock Exchange. Sources for economic statistics include publications and data tapes from each country's Central Bank. Machine-readable data are checked for internal consistency, and original data sources are used to check suspect information. Information not available in machine-readable form is hand-coded and verified.

Without the support of many organizations, it would not have been possible to complete the PACAP Databases for Hong Kong, Indonesia, Korea, Malaysia, Taiwan, and Thailand. Taking this opportunity, the Center extends its sincere thanks to **The Stock Exchange of Hong Kong Ltd., Jakarta Stock Exchange, Korea Stock Exchange, The Kuala Lumpur Stock Exchange, Taiwan Stock Exchange Corporation, Stock Exchange of Thailand, The Philippines Stock Exchange, Singapore Exchange Limited** and the local central and commercial banks, including **Hang Seng Bank Ltd., Bank Indonesia, Bank of Korea, Bank Negara Malaysia, The Central Bank of China, Bank of Thailand, and Monetary Authority of Singapore**, for their continuous cooperation and support of the PACAP Databases program.

The Center is also indebted to **Daiwa Institute of Research Ltd.** and **Toyo Keizai Inc.** of Japan for the creation of the PACAP Databases - Japan and **Korea Listed Companies Association (KLCA)** for the creation of the PACAP Databases - Korea. The Daiwa Institute of Research Ltd. provided funding and raw data on stock prices and key economic statistics. KLCA and Toyo Keizai Inc. provided financial statements data.

Information on how to use this Guide is provided on the page following the Table of Contents. If there are any questions concerning PACAP Databases, please contact:

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# HOW TO USE THIS MANUAL

## PAGE NUMBERING SYSTEM

In order to facilitate the use of this Guide, abbreviations are used in place of the country's names in the page numbering system (see Appendix A.1 for the list of countries and their corresponding abbreviations). Any chapter or page number which refers only to a specific country is followed by that country's abbreviation. For example, a page numbered "1.4" refers to a page containing information applicable to all countries. In order to reference information pertaining only to Taiwan, the page is extended with the abbreviation for Taiwan (TW) to read "1.4.TW.1...").

## ORGANIZATION OF CHAPTERS

**Chapter 1** contains the structure of the 14 files included in the PACAP Databases. Within every file, each data element is assigned a FORTRAN/SAS code name.

**Chapter 2** contains the definition of each data element. Definitions common to all countries are listed in alphabetical order by their FORTRAN/SAS code names at the beginning of the chapter. For example, the data element COUNTRY, the FORTRAN/SAS code name for *Country ID*, is an element common to all countries and is explained on page 2.9 (Chapter 2, page 9). The common data definitions are then followed by definitions of data elements applicable only to specific countries. For example, the data element TWM1, the FORTRAN/SAS code name for *N.T. Dollars per U.S. Dollars* in the Monthly Key Economic Statistics File (Taiwan), is found on page 2.TW.3 (Chapter 2, page 3 of the Taiwan section).

**Chapter 3** describes the layout of the data tape(s) and contains 14 FORTRAN/SAS sample retrieval programs to access the PACAP Databases. Each program reads and prints the contents of one file. The programs that are standard for all countries are shown in the beginning of the chapter. The programs that are applicable only to specific countries are shown at the end of the chapter.

**Supplementary information** is provided in the Appendices. Appendix A contains information which is applicable to all countries. Appendices B through D contain information applicable to specific countries. Please refer to the Table of Contents for a list of appendices.

**Country specific information** is provided only to subscribers of that particular country's database.

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# **FILE STRUCTURE**



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**INTRODUCTION**

This chapter contains the file structures of the 13 or 14 files included in each country's database. The file sequence and file names are as follows:

**Hong Kong**  
**Indonesia**  
**Japan**  
**Malaysia**  
**Singapore**  
**Taiwan**  
**Thailand**

**Korea**

<u>File No.</u>	<u>File No.</u>	<u>File Name</u>	<u>Dataset Name</u>
0001	0001	Company File	COMPANY
0002	0002	Daily Exchange Rate File	EXCHANGE
0003	0003	Key Economic Statistics File - Monthly	MNTHECON
0004		Key Economic Statistics File - Quarterly (for Japan only)	QRTRECON
0004	0004	Key Economic Statistics File - Yearly (for other countries)	YEARECON
0005	0005	Calendar File	CALENDAR
0006	0006	Financial Statements File - Industrial Companies	FINSTMT
0007		Financial Statements File - Financial Companies	FINBANK
0008	0007	Capital Distributions File	CPTLDIST
0009	0008	Monthly Market Returns File	MONTHMKT
0010	0009	Monthly Indices File	MNTHINDX
0011	0010	Daily Market Returns File	DALYMKRT
0012	0011	Daily Indices File	DALYINDX
0013	0012	Monthly Stock Price and Returns File	MNTHRTN
0014	0013	Daily Stock Price and Returns File	DALYRTN

The number of records and the beginning and ending dates of each file can be found listed by country in Appendix B. Within database files, each data element has been assigned a FORTRAN/SAS code name, which is used for retrieval. (See PACAP sample programs in Chapter 3).

*A definition of each data element is provided in Chapter 2 - Data Definition.*

**COMPANY FILE - One record per company/stock**

This file contains the general information of a company (or a stock if the company has more than one stock type). Descriptions of the Country IDs, Status Codes, currency codes, and missing codes are shown in Appendix A. Industry Codes and Industry Names are listed in Appendix B. Section Codes are listed in Appendix C. Complete listings of companies are provided in Appendices D and E.

Dataset Name: COMPANY  
 File Number: 1  
 Record Size: 277 (for all countries except Hong Kong & Taiwan)  
 431 (for Hong Kong only)  
 327 (for Taiwan)  
 Sequence: Company ID (ascending)  
 Stock Type (ascending)

*The following file structure is standard for all countries except Hong Kong and Singapore.*

*For Hong Kong, see page 1.2.HK.1*

*For Singapore, see page 1.2.SN.1*

<u>Data Element Name</u>	<u>FORTTRAN/ SAS Name *</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Country ID	CUNTRY	N	2	
Company ID	COID	C	6	
Company/Stock Name	CONAME	C	50	
Stock Type	STKTYP	N	1	
Industry Code	INDID	N	4	
Industry Name	INDNME	C	50	
Date Established	DTESTB	N	8	Stored as YYYYMMDD (e.g. 19800104)
Date Listed	DTLIST	N	8	Stored as YYYYMMDD
Date First Available	DTAVAL	N	8	First date common stock record is available in PACAP; stored as YYYYMMDD
Paid in Capital Currency	PICCUR	C	3	As of date listed if DTLIST is available
Paid in Capital	PICAP	N	10	In thousands of currency stored in PICCUR as of date listed
Par Value Currency	PARCUR	C	3	As of last date of PACAP if PARCUR is available
Par Value	PARVAL	N	8.2	In unit of currency stored in PARCUR as of last date of PACAP if STATCO = 'A' (Active)
Section Code	SECTID	N	1	As of last date of PACAP
Status of Company	STATCO	C	1	Company is delisted if this field is not equal to "A" (Active)
Cross Reference ID	CRID	C	6	Company ID link
Date of Status Change	DTSTAT	N	8	Blank if STATCO = A; stored as YYYYMMDD
Comments	COMMNT	C	100	

\* These are suggested names and are used in PACAP sample programs. Users may change these names if they desire.

**DAILY EXCHANGE RATE FILE - One record per day**

This file contains the exchange rates in local currency per U.S. Dollar. Rates quoted are mid rates. For Korea, Taiwan, and Thailand, sources of data include publications and data tapes/disks from each country's Central Bank. For Japan, sources of data include publications of Toyo Keizai, Inc. and data tapes from Daiwa Institute of Research Ltd. For Hong Kong, sources of data include publications of the Hong Kong Government and Hang Seng Bank Ltd. For Malaysia, the sources of data include rate sheets of major commercial banks provided by the Kuala Lumpur Stock Exchange. For Singapore, source of data includes Financial News of Stock Exchange of Singapore.

Name: EXCHANGE  
 File Number: 2  
 Record Size: 20  
 Sequence: Trading Date (ascending)

<u>Data Element Name</u>	<u>FORTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Country ID	CUNTRY	N	2	
Trading Date	DTTRD	N	8	Stored as YYYYMMDD
Day of Week	WKDAY	N	1	1 = Monday ...6 = Saturday
Daily Exchange Rate	XRATE	N	9.4	Local currency per US Dollar

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**KEY ECONOMIC STATISTICS FILES (MONTHLY, QUARTERLY OR YEARLY) - One record per period**

Depending on the availability of data from individual country, the key economic statistics provided in the files are different for individual country.

The structures of each country's files are shown on the following pages. Each data element is assigned a 4, 5, or 6-digit code (FORTRAN/SAS name). Each data element is defined in the last part of Chapter 2. The first two digits of the code name represent the country abbreviation list in Appendix A (e.g. JA = Japan, KS = Korea). The third digit of the code name represents the frequency of the series where 'M' means monthly and 'Y' means yearly. If there is a sixth digit to the code name, it will have a value of 'A', 'B', 'C' or 'D'. This denotes that the same data element has different values.

For example, many National Income Accounts items have values that are expressed in both current prices and constant prices. In this case A would be the current prices and B would be the constant prices.

**Monthly File (for all countries)**

Dataset Name: MNTHECON  
File Number: 3  
Record Size: 676 (for Hong Kong)  
447 (for Indonesia)  
936 (for Japan)  
358 (for Korea)  
355 (for Malaysia)  
431 (for Singapore)  
379 (for Taiwan)  
298 (for Thailand)  
Sequence: Calendar Month (ascending)

**Quarterly File (for Japan only)**

Dataset Name: QRTRECON  
File Number: 4  
Record Size: 971 (for Japan)  
Sequence: Year and Quarter (ascending)

**Yearly File (for all countries except Japan)**

Dataset Name: YEARECON  
File Number: 4  
Record Size: 392 (for Hong Kong)  
569 (for Indonesia)  
594 (for Korea)  
280 (for Malaysia)  
545 (for Singapore)  
874 (for Taiwan)  
470 (for Thailand)  
Sequence: Year (ascending)

## KEY ECONOMIC STATISTICS FILES - KOREA \*

## MONTHLY

<u>Data Element Name</u>	<u>FORTTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Country ID	CUNTRY	N	2	
Calendar Month	MONTH	N	6	Stored as YYYYMM

*EXCHANGE RATES*

Won per U.S. Dollar	KSM1	N	7.2	
Won per U.K. Pound	KSM2	N	7.2	
Won per Deutsche Mark	KSM3	N	7.2	
Won per French Franc	KSM4	N	7.2	
Won per Swiss Franc	KSM5	N	7.2	
Won per 100 Japanese Yen	KSM6	N	7.2	
Won per Hong Kong Dollar	KSM7	N	7.2	

*INTEREST RATES (in Percent per Annum)*

Interest Rate on Loans of Deposit Money Banks - Maximum	KSM21 <sup>***</sup>	N	7.4	
Interest Rate on Loans of Deposit Money Banks - Minimum	KSM22 <sup>***</sup>	N	7.4	
Interest Rate on Loans of Deposit Money Banks – Average Weighted	KSM22A	N	7.4	
Interest Rate on Time Deposits of Deposit Money Banks	KSM23 <sup>***</sup>	N	7.4	
Interest Rate on Time Deposits of Deposit Money Banks –Average Weighted	KSM23A	N	7.4	
Yield on Corporate Bonds	KSM24 <sup>**</sup>	N	7.4	
Yield on Government Compound Bonds - Less than One Year	KSM25 <sup>**</sup>	N	7.4	
Yield on Government Compound Bonds - 1 to 3 Years	KSM26 <sup>**</sup>	N	7.4	
Yield on Government Compound Bonds - 3 to 5 Years	KSM27 <sup>**</sup>	N	7.4	

\* Sources of data: 1) Data tapes from Ssangyong Research Institute.  
2) Various issues of The Bank of Korea's *Monthly Statistical Bulletin*.

\*\* Note: The data is not available after 1991.

\*\*\* Note: The data is not available after June 1996.

## KEY ECONOMIC STATISTICS FILES - KOREA (Continued)

## MONTHLY

<u>Data Element Name</u>	<u>FORTTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
<i>MONETARY AGGREGATES (in Billions of Won)</i>				
Bank Notes and Coins Issued				
- End of Month	KSM41A	N	8.1	
- Average of Month	KSM41B	N	8.1	
Currency in Circulation				
- End of Month	KSM42	N	8.1	
Money Supply - M1				
- End of Month	KSM43A	N	8.1	
- Average of Month	KSM43B	N	8.1	
Money Supply - M2A				
- End of Month	KSM44A	N	8.1	
- Average of Month	KSM44B	N	8.1	
Money Supply - M2				
- End of Month	KSM45A	N	8.1	
- Average of Month	KSM45B	N	8.1	
Money Supply - M3				
- End of Month	KSM46	N	8.1	
<i>BASE MONEY &amp; RESERVES</i>				
Reserve Money (Monetary Base)				
- End of Month	KSM47A	N	8.1	(in billions of Won)
- Average of Month	KSM47B	N	8.1	(in billions of Won)
Reserves Deposit of Deposit Money Banks	KSM48	N	8.1	(in billions of Won)
Bank of Korea Loans and Discount to Deposit Money Banks	KSM49	N	8.1	(in billions of Won)

## KEY ECONOMIC STATISTICS FILES - KOREA (Continued)

## MONTHLY

<u>Data Element Name</u>	<u>FORTTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
<i>PRICE INDICES</i>				
Wholesale Price Index, All Commodities	KSM61A	N	7.2	(Base Period: 1985 = 100)
	KSM61B	N	7.2	(Base Period: 1990 = 100)
	KSM61C	N	7.2	(Base Period: 1995 = 100)
Consumer Price Index, All Cities	KSM62A	N	7.2	(Base Period: 1985 = 100)
	KSM62B	N	7.2	(Base Period: 1990 = 100)
	KSM62C	N	7.2	(Base Period: 1995 = 100)
Import Price Index, All Commodities	KSM63A	N	7.2	(Base Period: 1985 = 100)
	KSM63B	N	7.2	(Base Period: 1990 = 100)
	KSM63C	N	7.2	(Base Period: 1995 = 100)
Export Price Index, All Commodities	KSM64A	N	7.2	(Base Period: 1985 = 100)
	KSM64B	N	7.2	(Base Period: 1990 = 100)
	KSM64C	N	7.2	(Base Period: 1995 = 100)

*GOVERNMENT BUDGET (in billions of Won), (old format of presentation from 1975 to 2000)*

Total Government Revenue	KSM71	N	7
Tax Receipts	KSM72	N	7
Total Government Expenditure	KSM73	N	7

*GOVERNMENT BUDGET (in billions of Won), (new format of presentation from 2001 to present)*

Total Government Revenue	KSM74	N	7
Tax Receipts	KSM75	N	7
Total Government Expenditure	KSM76	N	7

## KEY ECONOMIC STATISTICS FILES - KOREA (Continued)

## YEARLY

<u>Data Element Name</u>	<u>FORTTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Country ID	CUNTRY	N	2	
Year	YEAR	N	4	Stored as YYYY
<i>PRICE INDICES AND DEFLATORS</i>				
Wholesale Price Index, All Commodities	KSY1A	N	7.2	(Base Period: 1985 = 100)
	KSY1B	N	7.2	(Base Period: 1990 = 100)
	KSY1C	N	7.2	(Base Period: 1995 = 100)
Consumer Price Index, All Cities	KSY2A	N	7.2	(Base Period: 1985 = 100)
	KSY2B	N	7.2	(Base Period: 1990 = 100)
	KSY2C	N	7.2	(Base Period: 1995 = 100)
Import Price Index, All Commodities	KSY3A	N	7.2	(Base Period: 1985 = 100)
	KSY3B	N	7.2	(Base Period: 1990 = 100)
	KSY3C	N	7.2	(Base Period: 1995 = 100)
Export Price Index, All Commodities	KSY4A	N	7.2	(Base Period: 1985 = 100)
	KSY4B	N	7.2	(Base Period: 1990 = 100)
	KSY4C	N	7.2	(Base Period: 1995 = 100)
<i>BALANCE OF PAYMENTS* (in Millions of U.S. Dollars)(Old Method of Presentation up to Feb. 1998)</i>				
Trade Balance	KSY21	N	7.1	
Invisible Trade Balance	KSY22	N	7.1	
Unrequited Transfers (Net)	KSY23	N	7.1	
Current Account	KSY24	N	7.1	= (KSY21 + KSY22 + KSY23)
Long-Term Capital	KSY25	N	7.1	
Basic Balance	KSY26	N	7.1	= (KSY24 + KSY25)
Short-Term Capital	KSY27	N	7.1	
Overall Balance	KSY28	N	7.1	
<i>BALANCE OF PAYMENTS (in Millions of U.S. Dollars)(New Method of Presentation from 1982)</i>				
Goods	KSY31	N	7.1	
Services	KSY32	N	7.1	
Good & Services	KSY33	N	7.1	= (KSY31 + KSY32)
Income	KSY34	N	7.1	
Current Transfer	KSY35	N	7.1	
Financial Account	KSY36	N	7.1	
Capital Account	KSY37	N	7.1	
Financial & Capital Account	KSY38	N	7.1	= (KSY36 + KSY37)
Current Account	KSY39	N	7.1	= (KSY33 + KSY34 + KSY35 + KSY38)

\* Note: The data is not available after January 1998.



## KEY ECONOMIC STATISTICS FILES - KOREA (Continued)

## YEARLY

<u>Data Element Name</u>	<u>FORTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
<i>NATIONAL INCOME ACCOUNT (in Billions of Won)</i>				
Gross Domestic Product				See Notes 1 and 2 (page 1.4.KS.6)
- Nominal	KSY41A*	N	7.1	
- Real (Base Period: 1985 = 100)	KSY41B	N	7.1	
- Real (Base Period: 1990 = 100)	KSY41C	N	7.1	
- Real (Base Period: 1995 = 100)	KSY41D	N	7.1	
Trading Gains and Losses from Changes In the Term of Trade				
Base Period: 1995 = 100	KSY42	N	7.1	
Gross Domestic Income				
- Real (Base Period: 1995 = 100)	KSY43	N	7.1	= (KSY41A + KSY42A)
Net Factor Income from the Rest of the World				
- Nominal	KSY44A*	N	7.1	
- Real (Base Period: 1985 = 100)	KSY44B	N	7.1	
- Real (Base Period: 1990 = 100)	KSY44C	N	7.1	
- Real (Base Period: 1995 = 100)	KSY44D	N	7.1	
Gross National Product**				
- Nominal	KSY45A*	N	7.1	= (KSY41A + KSY44A)
- Real (Base Period: 1985 = 100)	KSY45B	N	7.1	= (KSY41B + KSY44B)
- Real (Base Period: 1990 = 100)	KSY45C	N	7.1	= (KSY41C + KSY44C)
Gross National Income				
- Real (Base Period: 1995 = 100)	KSY46	N	7.1	= (KSY43 + KSY44)
Consumption of Fixed Capital				
- Nominal	KSY47*	N	7.1	
Net National Product at Market				
Prices - Nominal	KSY48*	N	7.1	= (KSY45A - KSY47)
Indirect Taxes - Nominal	KSY49*	N	7.1	
Subsidies - Nominal	KSY50*	N	7.1	
Net National Product at Factor Cost				
- Nominal	KSY51*	N	7.1	= (KSY48 - KSY49 + KSY50)
Compensation of Employees - Nominal	KSY52*	N	7.1	
Operating Surplus - Nominal	KSY53*	N	7.1	
Government Final Consumption Expenditure				
- Nominal	KSY54A*	N	7.1	
- Real (Base Period: 1985 = 100)	KSY54B	N	7.1	
- Real (Base Period: 1990 = 100)	KSY54C	N	7.1	
- Real (Base Period: 1995 = 100)	KSY54D	N	7.1	
Private Final Consumption Expenditure				
- Nominal	KSY55A*	N	7.1	
- Real (Base Period: 1985 = 100)	KSY55B	N	7.1	
- Real (Base Period: 1990 = 100)	KSY55C	N	7.1	
- Real (Base Period: 1995 = 100)	KSY55D	N	7.1	

\* Note: The data is not available after 1992.

\*\* Note: The data is not available after 1997.

## KEY ECONOMIC STATISTICS FILES - KOREA (Continued)

## YEARLY

<u>Data Element Name</u>	<u>FORTTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
<i>NATIONAL INCOME ACCOUNT (in Billions of Won)</i>				
Increase in Stocks**				
- Nominal	KSY56A	N	7.1	
- Real (Base Period: 1985 = 100)	KSY56B	N	7.1	
- Real (Base Period: 1990 = 100)	KSY56C	N	7.1	
Gross Fixed Capital Formation				
- Nominal	KSY57A*	N	7.1	
- Real (Base Period: 1985 = 100)	KSY57B	N	7.1	
- Real (Base Period: 1990 = 100)	KSY57C	N	7.1	
- Real (Base Period: 1995 = 100)	KSY57D	N	7.1	
Exports of Goods and Services				
- Nominal	KSY58A*	N	7.1	
- Real (Base Period: 1985 = 100)	KSY58B	N	7.1	
- Real (Base Period: 1990 = 100)	KSY58C	N	7.1	
- Real (Base Period: 1995 = 100)	KSY58D	N	7.1	
Imports of Goods and Services				
- Nominal	KSY59A*	N	7.1	
- Real (Base Period: 1985 = 100)	KSY59B	N	7.1	
- Real (Base Period: 1990 = 100)	KSY59C	N	7.1	
- Real (Base Period: 1995 = 100)	KSY59D	N	7.1	
Statistical Discrepancy				
- Nominal	KSY60A*	N	7.1	
- Real (Base Period: 1985 = 100)	KSY60B	N	7.1	
- Real (Base Period: 1990 = 100)	KSY60C	N	7.1	
- Real (Base Period: 1995 = 100)	KSY60D	N	7.1	
Compensation of Employees from the Rest of the World				
- Nominal	KSY61*	N	7.1	
Property and Entrepreneurial Income from the Rest of the World				
- Nominal	KSY62*	N	7.1	

\* Note: The data is not available after 1992.

\*\* Note: The data is not available after 1998.

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**KEY ECONOMIC STATISTICS FILES - KOREA (Continued)**
**YEARLY**

<u>Data Element Name</u>	<u>FORTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
<i>NATIONAL INCOME ACCOUNT (in Billions of Won)</i>				
Current Transfers from the Rest of the World - Nominal	KSY63*	N	7.1	
Savings - Nominal	KSY64*	N	7.1	
National Disposable Income - Nominal	KSY65*	N	7.1	See Notes 3 and 4

- Notes:
- Components of nominal GDP from the Income Approach:  

$$KSY41A = KSY47 + KSY49 - KSY50 + KSY52 + KSY53$$
  - Components of GDP from the Expenditure Approach:  

$$KSY41 = KSY54 + KSY55 + KSY56 + KSY57 + KSY58 - KSY59 + KSY60$$
  - Nominal National Disposable Income from the Income Approach:  

$$KSY65 = KSY49 - KSY50 + KSY52 + KSY53 + KSY61 + KSY62 + KSY63$$
  - Nominal National Disposable Income from the Appropriation Approach:  

$$KSY65 = KSY54A + KSY55A + KSY64$$

*POPULATION & LABOR MARKETS*

Labor Force Employed	KSY71	N	7.1	(in thousand persons)
Unemployment Rate	KSY72	N	7.2	(in percent)

\* Note: The data is not available after 1992.

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**CALENDAR FILE - One record per day**

This file contains information on the trading status of the Stock Exchange. Each record represents a calendar date.

Dataset Name: CALENDAR  
 File Number: 5  
 Record Size: 12  
 Sequence: Calendar Date (ascending)

<u>Data Element Name</u>	<u>FORTTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Country ID	CUNTRY	N	2	
Calendar Date	DTCAL	N	8	Stored as YYYYMMDD
Day of Week	WKDAY	N	1	1 = Monday ...6 = Saturday
Status of Stock Exchange	STATSE	C	1	O = Open; C = Closed

**FINANCIAL STATEMENTS FILES - One record per company per fiscal year**

The financial statements are stored in two files. For financial companies (including banks, insurance, and finance), the records are stored in the FINBANK dataset. For all other industries, records are stored in the FINSTMT dataset.

Each record in the files is made up of five groups of data:

1. Company Information
2. Balance Sheet Items
3. Income Statement Items
4. Market Related Data
5. Supplementary Items

The first four groups are standard for all countries (except variations in unit of measurement). Definitions for these groups of items can be found in the first part of Chapter 2. The fifth group differs by country; it contains the supplementary information of items summarized in the balance sheet and income statement. Definitions for these supplementary items can be found in the last part of Chapter 2. The structure of each country's file is shown on the following pages.

**Industrial Companies (for all countries)**

Dataset Name: FINSTMT  
File Number: 6  
Record Size: 839 (for Hong Kong)  
867 (for Indonesia)  
1325 (for Japan)  
577 (for Korea)  
537 (for Malaysia)  
940 (for Singapore)  
1171 (for Taiwan)  
709 (for Thailand)  
Sequence: Company ID (ascending)  
Year (ascending)  
Fiscal (ascending)

**Financial Companies (available for all countries)**

Dataset Name: FINBANK  
File Number: 7 (for Hong Kong, Japan, Malaysia, Singapore, Taiwan, and Thailand)  
Record Size: 773 (for Hong Kong)  
957 (for Indonesia)  
2964 (for Japan)  
963 (for Korea)  
557 (for Malaysia)  
557 (for Singapore)  
1138 (for Taiwan)  
787 (for Thailand)  
Sequence: Company ID (ascending)  
Year (ascending)  
Fiscal (ascending)

## FINANCIAL STATEMENTS FILE - KOREA

## INDUSTRIAL COMPANIES

<u>Data Element Name</u>	<u>FORTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
<i>COMPANY INFORMATION</i>				
Country ID	CUNTRY	N	2	
Company ID	COID	C	6	
Industry Code	INDID	N	4	
Year	YEAR	N	4	Stored as YYYY (e.g.1980)
Fiscal Year End	FISCAL	N	6	Stored as YYYYMM (e.g. January 1993 = 199301)
Months Covered in Income Statement	MONCOV	N	2	
Financial Statement Currency	FINCUR	C	3	
<i>BALANCE SHEET (In Thousands of Won)</i>				
<b><u>Assets</u></b>				
Cash & Bank Deposit	BAL1	N	11	
Marketable Securities	BAL2	N	11	
Accounts & Notes Receivable	BAL3	N	11	= (KSF1 + .... + KSF3)
Inventories	BAL4	N	11	= (KSF4 + .... + KSF8)
Other Current Assets	BAL5	N	11	= (KSF9 + .... + KSF14)
<b>Total Current Assets</b>	BAL6	N	11	
Net Fixed Assets	BAL7	N	11	= (KSF15 + .... + KSF18+KSF20+ ... + KSF23 – KSF19)
Investments & Other Assets	BAL8	N	11	= (KSF24 + .... + KSF30)
<b>Total Assets</b>	BAL9	N	11	
<b><u>Liabilities and Stockholders' Equity</u></b>				
Accounts & Notes Payable	BAL10	N	11	= (KSF31 + KSF32)
Short-Term Loans	BAL11	N	11	
Other Current Liabilities	BAL12	N	11	= (KSF33 + .... + KSF40)
<b>Total Current Liabilities</b>	BAL13	N	11	
Long-Term Loans	BAL14	N	11	
Debentures	BAL15	N	11	= (KSF41 + KSF42)
Other Long-Term Liabilities	BAL16	N	11	= (KSF43 + .... + KSF47)
<b>Total Liabilities</b>	BAL17	N	11	
Capital Stock	BAL18	N	11	= (KSF48 + KSF49)
Additional Paid-in Capital	BAL19	N	11	
Retained Earnings	BAL20	N	11	= (KSF50 + KSF51 + KSF52)
<b>Total Stockholders' Equity</b>	BAL21	N	11	
<b>Total Liabilities &amp; Stockholders' Equity</b>	BAL22	N	11	

## FINANCIAL STATEMENTS FILE - KOREA (Continued)

## INDUSTRIAL COMPANIES

<u>Data Element Name</u>	<u>FORTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
<i>INCOME STATEMENT (In Thousands of Won)</i>				
<b>Sales</b>	INC1	N	11	
Cost of Sales	INC2	N	11	
<b>Gross Profit</b>	INC3	N	11	
Selling & Administrative Expenses	INC4	N	11	
<b>Income from Operations</b>	INC5	N	11	
Other Revenues/Expenses	INC6	N	11	= (KSF53+ KSF54+ KSF55 – KSF56 – KSF57 )
Income Tax	INC7	N	11	
Extraordinary Gains/Losses	INC8	N	11	= (KSF58 – KSF59)
<b>Net Income</b>	INC9	N	11	
<i>MARKET RELATED DATA</i>				
Cash Dividends - Common	MKT1	N	11.2	In local currency per share
Stock Dividends - Common	MKT2	N	11.2	Allocation Rate in decimal
Ending Price - Common Stock	MKT3	N	11.2	Last Price quoted in Fiscal Year
Ending Price - Preferred Stock	MKT4	N	11.2	Last Price quoted in Fiscal Year
Number of Shares Outstanding - Common Stock	MKT5	N	11	As of Fiscal Year End (in thousands of shares)
Number of Shares Outstanding - Preferred Stock	MKT6	N	11	As of Fiscal Year End (in thousands of shares)
<i>SUPPLEMENTARY ITEMS (In Thousands of Won)</i>				
Accounts Receivable	KSF1	N	11	
Notes Receivable	KSF2	N	11	
Other Accounts Receivable	KSF3	N	11	
Merchandise	KSF4	N	11	
Semi-finished Goods	KSF5	N	11	
Raw Materials	KSF6	N	11	
Supplies	KSF7	N	11	
Inventories Purchased from Affiliated	KSF8	N	11	
Accrued Income	KSF9	N	11	
Advance Payments	KSF10	N	11	
Prepaid Expenses	KSF11	N	11	
Other Short-Term Loans	KSF12	N	11	
Short-Term Loans	KSF13	N	11	



## FINANCIAL STATEMENTS FILE - KOREA (Continued)

## INDUSTRIAL COMPANIES

<u>Data Element Name</u>	<u>FORTTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
<i>SUPPLEMENTARY ITEMS (In Thousands of Won)(Continued)</i>				
Deposits	KSF14	N	11	
Land	KSF15	N	11	
Construction in Progress	KSF16	N	11	
Building & Auxiliary Facilities	KSF17	N	11	
Structure	KSF18	N	11	
Accumulated Depreciation	KSF19	N	11	
Machinery & Equipment	KSF20	N	11	
Vehicles	KSF21	N	11	
Tools & Equipment	KSF22	N	11	
Other Fixed Assets	KSF23	N	11	
Investments	KSF24	N	11	
Investments Securities	KSF25	N	11	
Long-Term Loans	KSF26	N	11	
Long-Term Prepaid Expenses	KSF27	N	11	
Other Investments	KSF28	N	11	
Intangible Assets	KSF29	N	11	
Deferred Charges	KSF30	N	11	
Accounts Payable	KSF31	N	11	
Notes Payable	KSF32	N	11	
Dividend Payable	KSF33	N	11	
Advance Receipts	KSF34	N	11	
Accrued Expense	KSF35	N	11	
Other Current Portion of Long-Term Borrow	KSF36	N	11	
Unearned Income	KSF37	N	11	
Estimated Liabilities	KSF38	N	11	
Withholdings	KSF39	N	11	
Other Accounts Payable	KSF40	N	11	
Debentures	KSF41	N	11	
Premium On Debentures	KSF42	N	11	
Long-Term Payable	KSF43	N	11	
Long-Term Loans	KSF44	N	11	
Provision	KSF45	N	11	
Minority Interest Equity	KSF46	N	11	
Deferred Liabilities	KSF47	N	11	
Common Stock	KSF48	N	11	
Preferred Stock	KSF49	N	11	
Capital Surplus	KSF50	N	11	
Legal Reserve	KSF51	N	11	
Other Reserve	KSF52	N	11	
Interest Income	KSF53	N	11	
Dividend Income	KSF54	N	11	
Non-Operating Income	KSF55	N	11	

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**FINANCIAL STATEMENTS FILE - KOREA (Continued)****INDUSTRIAL COMPANIES**

<u>Data Element Name</u>	<u>FORTTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
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*SUPPLEMENTARY ITEMS (In Thousands of Won)(Continued)*

Interest & Discount Expense	KSF56	N	11	
Non-Operating Expense	KSF57	N	11	
Extraordinary Gains	KSF58	N	11	
Extraordinary Losses	KSF59	N	11	

## FINANCIAL STATEMENTS FILE - KOREA

## FINANCIAL COMPANIES

<u>Data Element Name</u>	<u>FORTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
<i>COMPANY INFORMATION</i>				
Country ID	CUNTRY	N	2	
Company ID	COID	C	6	
Industry Code	INDID	N	4	
Year	YEAR	N	4	Stored as YYYY (e.g.1980)
Fiscal Year End	FISCAL	N	6	Stored as YYYYMM (e.g. January 1993 = 199301)
Months Covered in Income Statement	MONCOV	N	2	
Financial Statement Currency	FINCUR	C	3	
<i>BALANCE SHEET (In Thousands of Won)</i>				
<b><u>Assets</u></b>				
Cash & Bank Balance	BALB1	N	11	= (KSFB1 + ... + KSFB4)
Investments	BALB2	N	11	= (KSFB5 + ... + KSFB9)
Loan & Receivable	BALB3	N	11	= (KSFB10 + ... + KSFB17)
Net Fixed Asset	BALB4	N	11	
Other Assets	BALB5	N	11	= (KSFB18 + ... + KSFB27)
<b>Total Assets</b>	BALB6	N	11	
<b><u>Liabilities and Stockholders' Equity</u></b>				
Accounts & Notes Payable	BALB7	N	11	= (KSFB28 + KSFB29 + KSFB30)
Deposits & Borrowings	BALB8	N	11	= (KSFB31 + ... + KSFB36)
Other Liabilities	BALB9	N	11	= (KSFB37 + ... + KSFB47)
<b>Total Liabilities</b>	BALB10	N	11	
Capital Stock	BALB11	N	11	= (KSF48 + KSF49)
Surplus & Retained Earnings	BALB12	N	11	= (KSF50 + ... + KSF53)
<b>Total Stockholders' Equity</b>	BALB13	N	11	
<b>Total Liabilities &amp; Stockholders' Equity</b>	BALB14	N	11	
<i>INCOME STATEMENT (In Thousands of Won)</i>				
<b>Operating Revenue</b>	INCB1	N	11	
Operating Expenses	INCB2	N	11	
<b>Income from Operations</b>	INCB3	N	11	
Other Revenues/Expenses	INCB4	N	11	= (KSFB54 – KSFB55)

## FINANCIAL STATEMENTS FILE - KOREA (Continued)

## FINANCIAL COMPANIES

<u>Data Element Name</u>	<u>FORTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Income Tax	INCB5	N	11	
Extraordinary Gains/Losses	INCB6	N	11	= (KSFB56 – KSFB57)
Other Adjustments	INCB7	N	11	N/A; stored as -8888888888
<b>Net Income</b>	INCB8	N	11	

## MARKET RELATED DATA

Cash Dividends - Common	MKT1	N	11.2	In local currency per share
Stock Dividends - Common	MKT2	N	11.2	Allocation Rate in decimal
Ending Price - Common Stock	MKT3	N	11.2	Last Price quoted in Fiscal Year
Ending Price - Preferred Stock	MKT4	N	11.2	Last Price quoted in Fiscal Year
Number of Shares Outstanding - Common Stock	MKT5	N	11	As of Fiscal Year End (in thousands of shares)
Number of Shares Outstanding - Preferred Stock	MKT6	N	11	As of Fiscal Year End (in thousands of shares)

## SUPPLEMENTARY ITEMS (In Thousands of Won)

Cash On Hand	KSFB1	N	11	
Due From Banks	KSFB2	N	11	
Due From Banks In Foreign Currency	KSFB3	N	11	
Foreign Exchange	KSFB4	N	11	
Monetary Stabilization Bond	KSFB5	N	11	
Government Bonds	KSFB6	N	11	
Stocks	KSFB7	N	11	
Corporation Bonds	KSFB8	N	11	
Securities	KSFB9	N	11	
Loans	KSFB10	N	11	
Domestic Usance Bill	KSFB11	N	11	
Guarantee Payments	KSFB12	N	11	
Call Loans	KSFB13	N	11	
Securities Purchased Under Receivable	KSFB14	N	11	
Factoring Receivable	KSFB15	N	11	
Local L/C Purchased	KSFB16	N	11	
Accounts Receivable From Disposal of Assets	KSFB17	N	11	
Securities Loans	KSFB18	N	11	
Agents	KSFB19	N	11	
Credit Card Account	KSFB20	N	11	
Contra Account of Acceptances	KSFB21	N	11	
Deferred Income Tax Debts	KSFB22	N	11	

## FINANCIAL STATEMENTS FILE - KOREA (Continued)

## FINANCIAL COMPANIES

<u>Data Element Name</u>	<u>FORTTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
<i>SUPPLEMENTARY ITEMS (In Thousands of Won)(Continued)</i>				
Other Assets	KSFB23	N	11	
Deferred Charged	KSFB24	N	11	
Deferred Loss From Foreign Exchange	KSFB25	N	11	
Deferred Loss From Foreign Forward Exchange	KSFB26	N	11	
Due From Head Office & Branch	KSFB27	N	11	
Banker's Acceptance	KSFB28	N	11	
Acceptances & Guarantees	KSFB29	N	11	
Factoring Payable	KSFB30	N	11	
Installment Payments Received	KSFB31	N	11	
Borrowing	KSFB32	N	11	
Security Deposits for Foreign	KSFB33	N	11	
Deposits for Letter of Guarantees & OT	KSFB34	N	11	
Borrowing From Trust Accounts	KSFB35	N	11	
Withholding	KSFB36	N	11	
Other Liabilities	KSFB37	N	11	
Giro Accounts	KSFB38	N	11	
Deferred Gain From Foreign Exchange	KSFB39	N	11	
Allowance & Accrued Expenses	KSFB40	N	11	
Deferred Gain From Foreign Forward Exchange	KSFB41	N	11	
Due To Head Office & Branch	KSFB42	N	11	
Due To Agency	KSFB43	N	11	
Foreign Exchange	KSFB44	N	11	
Financing Bonds Issued	KSFB45	N	11	
Securities Sold Under Repurchase	KSFB46	N	11	
Call Money	KSFB47	N	11	
Common Stock	KSFB48	N	11	
Preferred Stock	KSFB49	N	11	
New Stock Subscriptions	KSFB50	N	11	
Capital Surplus	KSFB51	N	11	
Retained Earnings	KSFB52	N	11	
Capital Adjustment	KSFB53	N	11	
Non-Operating Income	KSFB54	N	11	
Non-Operating Expense	KSFB55	N	11	
Extraordinary Gains	KSFB56	N	11	
Extraordinary Losses	KSFB57	N	11	

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**CAPITAL DISTRIBUTIONS FILE - One record per stock per distribution type**

This file contains capital distribution records of each company. Information on cash dividends, stock dividends, and rights offerings are provided chronologically. Each record represents only one distribution type. For example, if a company has a cash dividend and rights offering with the same ex-distribution date, they are stored as two records.

Dataset Name: CPTLDIST  
 File Number: 7 (for Korea)  
 8 (for Hong Kong, Indonesia, Japan, Malaysia, Singapore, Taiwan, and Thailand)  
 Record Size: 55 (for all countries except Hong Kong)  
 57 (for Hong Kong)  
 Sequence: Company ID (ascending)  
 Stock Type (ascending)  
 Ex-Distribution Date (ascending)  
 Distribution Type (ascending)

*File structure for all countries except Hong Kong:*

<u>Data Element Name</u>	<u>FORTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Country ID	CUNTRY	N	2	
Company ID	COID	C	6	
Stock Type	STKTYP	N	1	
Distribution Type	DISTYP	C	2	See Appendix A for codes
Announcement Date	DTANNO	N	8	Stored as YYYYMMDD
Ex-Distribution Date	DTEXDI	N	8	Stored as YYYYMMDD
Payment Date	DTPAY	N	8	Stored as YYYYMMDD
Amount	AMOUNT	N	12.6	See Chapter 2 for how the amount is stored for each type of distributions
Subscription Price	SUBPRC	N	8.2	Only for rights offering

*File structure for Hong Kong only:*

<u>Data Element Name</u>	<u>FORTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Country ID	CUNTRY	N	2	
Company/Stock ID	COID	C	8	
Stock Type	STKTYP	N	1	
Distribution Type	DISTYP	C	2	
Announcement Date	DTANNO	N	8	
Ex-Distribution Date	DTEXDI	N	8	
Payment Date	DTPAY	N	8	
Amount	AMOUNT	N	12.6	
Subscription Price	SUBPRC	N	8.4	

**MONTHLY MARKET RETURNS FILE - One record per month**

This file contains monthly data on the market as a whole. The market is defined as all common stocks included in PACAP.

Dataset Name: MONTHMKT  
 File Number: 8 (for Korea)  
 9 (for Hong Kong, Indonesia, Japan, Malaysia, Singapore, Taiwan, and Thailand)  
 Record Size: 84  
 Sequence: Trading Month (ascending)

<u>Data Element Name</u>	<u>FORTTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Country ID	CUNTRY	N	2	
Trading Month	MONTH	N	6	Stored as YYYYMM
Number of Trading Days in Month	CNTDAY	N	2	
Total Number of Shares Traded for All Stocks in Month	TRDVOL	N	10	In thousands of units
Total Number of Value Traded for All Stocks in Month	TRDVAL	N	10	In thousands of local currency except Japan and Korea in millions of local currency
Monthly Equally Weighted Market Returns with Cash Dividend Reinvested	MERMWD	N	10.6	
Monthly Equally Weighted Market Returns without Cash Dividend Reinvested	MERMND	N	10.6	
Monthly Value-Weighted Market Returns with Cash Dividend Reinvested	MVRMWD	N	10.6	
Monthly Value-Weighted Market Returns without Cash Dividend Reinvested	MVRMND	N	10.6	
Number of Companies Included in Calculation	CNTCO	N	4	
Market Capitalization	MKTCAP	N	10	In millions of local currency



**MONTHLY INDICES FILE - One record per index per month**

This file contains the Composite Index and subindices of the Stock Exchange. A list of the index names and codes is included in Appendix B.

Dataset Name: MNTHINDX  
 File Number: 9 (for Korea)  
 10 (for Hong Kong, Indonesia, Japan, Malaysia, Singapore, Taiwan, and Thailand)  
 Record Size: 98  
 Sequence: Index Code (ascending)  
 Trading Month (ascending)

<u>Data Element Name</u>	<u>FORTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Country ID	CUNTRY	N	2	
Index Code	IDXID	N	4	
Trading Month	MONTH	N	6	Stored as YYYYMM
Index Name	IDXNME	C	50	
First Index Value in Month	FSTVAL	N	7.2	
Day of First Index	FSTDAY	N	2	Stored as DD (e.g. first day of month = 01)
Highest Index Value in Month	HIVAL	N	7.2	
Day of Highest Index Value	HIDAY	N	2	Stored as DD
Lowest Index Value in Month	LOVAL	N	7.2	
Day of Lowest Index Value	LODAY	N	2	Stored as DD
Last Index Value in Month	LSTVAL	N	7.2	
Day of Last Index	LSTDAY	N	2	Stored as DD

**DAILY MARKET RETURNS FILE - One record per trading day**

This file contains daily data on the market as a whole. The market is defined as all common stocks included in PACAP.

Dataset Name: DALYMRKT  
 File Number: 10 (for Korea)  
 11 (for Hong Kong, Indonesia, Japan, Malaysia, Singapore, Taiwan, and Thailand)  
 Record Size: 75  
 Sequence: Trading Date (ascending)

<u>Data Element Name</u>	<u>FORTTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Country ID	CUNTRY	N	2	
Trading Date	DTTRD	N	8	Stored as YYYYMMDD
Day of Week	WKDAY	N	1	1 = Monday ... 6 = Saturday
Total Number of Shares Traded for All Stocks	TRDVOL	N	10	In thousands of units
Total Number of Value Traded for All Stocks	TRDVAL	N	10	In thousands of local currency except Japan and Korea are in millions of local currency
Daily Equally Weighted Market Returns with Cash Dividend Reinvested	DERMWD	N	10.6	
Daily Equally Weighted Market Returns without Cash Dividend Reinvested	DERMND	N	10.6	
Daily Value-Weighted Market Returns with Cash Dividend Reinvested	DVRMWD	N	10.6	
Daily Value-Weighted Market Returns without Cash Dividend Reinvested	DVRMND	N	10.6	
Number of Companies Included in Calculation	CNTCO	N	4	

**DAILY INDICES FILE - One record per index type per day**

This file contains the daily closing values of each index of the Stock Exchange. Only the index codes IDXID are stored in this file. Corresponding index names can be found in Appendix B.

Dataset Name: DALYINDEX  
 File Number: 11 (for Korea)  
 12 (for Hong Kong, Indonesia, Japan, Malaysia, Singapore, Taiwan, and Thailand)  
 Record Size: 22  
 Sequence: Index Code (ascending)  
 Trading Date (ascending)

<u>Data Element Name</u>	<u>FORTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Country ID	CUNTRY	N	2	
Index Code	IDXID	N	4	See Appendix B for Index Names of each country
Trading Date	DTTRD	N	8	Stored as YYYYMMDD
Day of Week	WKDAY	N	1	1 = Monday ... 6 = Saturday
Index Value	IDXVAL	N	7.2	

**MONTHLY STOCK PRICE & RETURNS FILE - One record per stock per trading month per stock type**

This file contains the stock prices and returns of each stock on a monthly basis. The returns are adjusted for capital distributions. For Japan, Korea, and Thailand, only common stock information is recorded. For Korea and Taiwan, prices are reported prices adjusted for stock split and consolidation (reverse split).

Dataset Name: MNTHRTN  
 File Number: 12 (for Korea)  
 13 (for Hong Kong, Indonesia, Japan, Malaysia, Singapore, Taiwan, and Thailand)  
 Record Size : 120 (for all countries except Hong Kong, Indonesia, and Singapore)  
 127 (for Hong Kong)  
 122 (for Indonesia)  
 103 (for Singapore)  
 Sequence: Company ID (ascending)  
 Stock Type (ascending)  
 Trading Month (ascending)

*The following file structure is standard for Taiwan and Thailand only.*

*For Hong Kong, see page 1.12.HK.1*

*For Indonesia, see page 1.12.ID.1*

*For Japan, see page 1.12.JA.1*

*For Korea, see page 1.12.KS.1*

*For Malaysia, see page 1.12.MY.1*

*For Singapore, see page 1.12.SN.1*

<u>Data Element Name</u>	<u>FORTTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Country ID	CUNTRY	N	2	
Company ID	COID	C	6	
Stock Type	STKTYP	N	1	
Trading Month	MONTH	N	6	Stored as YYYYMM
Section Code	SECTID	N	1	As of month end
Industry Code	INDID	N	4	
Opening Price in Month	OPNPRC	N	8.2	In local currency per share
Day of Opening Price	OPNDAY	N	2	Stored as DD
Closing Price in Month CLSPRC		N	8.2	In local currency per share
Day of Closing Price	CLSDAY	N	2	Stored as DD
Number of Shares Traded	TRDVOL	N	10	In units
Value of Shares Traded TRDVAL		N	10	In thousands of local currency
Number of Shares Outstanding	SHROUT	N	8	As of month end; in thousands of shares
Market Value	MKTVAL	N	10	In millions of local currency
Number of Days Traded in Month	CNTTRD	N	2	
Monthly Return with Cash Dividend Reinvested	MRETWD	N	10.6	
Monthly Return without Cash Dividends Reinvested	MRETND	N	10.6	
Accumulative Adjustment Factor at the Last Closing Day of the Month	MADJCD	N	10.6	
Accumulative Adjustment Factor at the End of the Month	MADJLD	N	10.6	

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## MONTHLY STOCK PRICE &amp; RETURNS FILE - KOREA

<u>Data Element Name</u>	<u>FORTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Country ID	CUNTRY	N	2	
Company ID	COID	C	6	
Stock Type	STKTYP	N	1	
Trading Month	MONTH	N	6	Stored as YYYYMM
Section Code	SECTID	N	1	As of month end
Industry Code	INDID	N	4	
Opening Price in Month	OPNPRC	N	8	In Won per share
Day of Opening Price	OPNDAY	N	2	Stored as DD
Closing Price in Month	CLSPRC	N	8	In Won per share
Day of Closing Price	CLSDAY	N	2	Stored as DD
Number of Shares Traded	TRDVOL	N	10	In units
Value of Shares Traded	TRDVAL	N	10	In millions of Won
Number of Shares Outstanding	SHROUT	N	8	As of month end; in thousands of shares
Market Value	MKTVAL	N	10	In millions of local currency
Number of Days Traded in Month	CNTTRD	N	2	
Monthly Return with Cash Dividend Reinvested	MRETWD	N	10.6	
Monthly Return without Cash Dividends Reinvested	MRETND	N	10.6	
Accumulative Adjustment Factor at the Last Closing Day of the Month	MADJCD	N	10.6	
Accumulative Adjustment Factor at the end of the Month	MADJLD	N	10.6	

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**DAILY STOCK PRICE & RETURNS FILE - One record per stock per trading day per stock type**

This file contains the daily price and returns of a stock. The returns are adjusted for capital distributions. For Japan, Korea, and Thailand, only common stock information is recorded. For Korea and Taiwan, prices are reported prices adjusted for stock split and consolidation (reverse split).

Dataset Name: DALYRTN  
 File Number: 13 (for Korea)  
 14 (for Hong Kong, Japan, Malaysia, Singapore, Taiwan, and Thailand)  
 Record Size: 106 (for Singapore)  
 103 (for Taiwan, Thailand, and Malaysia)  
 107 (for Hong Kong)  
 105 (for Indonesia)  
 111 (for Japan and Korea)  
 Sequence: Company ID (ascending)  
 Stock Type (ascending)  
 Trading Date (ascending)

*The following file structure is standard for Taiwan and Thailand only.  
 For Hong Kong, see page 1.13.HK.1  
 For Indonesia, see page 1.13.ID.1  
 For Japan, see page 1.13.JA.1  
 For Korea, see page 1.13.KS.1  
 For Malaysia, see page 1.13.MY.1  
 For Singapore, see page 1.13.SN.1*

<u>Data Element Name</u>	<u>FORTTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Country ID	CUNTRY	N	2	
Company ID	COID	C	6	
Stock Type	STKTYP	N	1	
Trading Date	DTTRD	N	8	Stored as YYYYMMDD
Section Code	SECTID	N	1	
Day of Week	WKDAY	N	1	1 = Monday ... 6 = Saturday
Industry Code	INDID	N	4	
Opening Price	OPNPRC	N	8.2	In local currency per share
High Price	HIPRC	N	8.2	In local currency per share
Low Price	LOPRC	N	8.2	In local currency per share
Closing Price	CLSPRC	N	8.2	In local currency per share
Number of Shares Traded	TRDVOL	N	10	In units
Value of Shares Traded	TRDVAL	N	8	In thousands of local currency
Daily Return with Cash Dividend Reinvested	DRETWD	N	10.6	
Daily Return without Cash Dividend Reinvested	DRETND	N	10.6	
Accumulative Adjustment Factor	ACCADJ	N	10.6	



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**DAILY STOCK PRICE & RETURNS FILE - KOREA**

<u>Data Element Name</u>	<u>FORTRAN/ SAS Name</u>	<u>Data Type</u>	<u>Field Size</u>	<u>Comments</u>
Country ID	CUNTRY	N	2	
Company ID	COID	C	6	
Stock Type	STKTYP	N	1	
Trading Date	DTTRD	N	8	Stored as YYYYMMDD
Section Code	SECTID	N	1	
Day of Week	WKDAY	N	1	1 = Monday ... 6 = Saturday
Industry Code	INDID	N	4	
Opening Price	OPNPRC	N	8	In Won per share
High Price	HIPRC	N	8	In Won per share
Low Price	LOPRC	N	8	In Won per share
Closing Price	CLSPRC	N	8	In Won per share
Number of Shares Traded	TRDVOL	N	10	In units
Value of Shares Traded	TRDVAL	N	8	In millions of Won
Number of Shares Outstanding	SHROUT	N	8	In thousands of shares
Daily Return with Cash Dividend Reinvested	DRETWD	N	10.6	
Daily Return without Cash Dividend Reinvested	DRETND	N	10.6	
Accumulative Adjustment Factor	ACCADJ	N	10.6	

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# **DATA DEFINITION**

**ACCADJ      Accumulative Adjustment Factor**

DATA TYPE:      Numeric                      LENGTH\*: 10              DECIMAL\*: 6              MISSING VALUE\*: -999

- DESCRIPTION:
1. Item represents daily accumulative adjustment factor.
  2. ACCADJ is used to adjust stock prices after distribution so that a comparison can be made on an equivalent basis between prices before and after the distribution. The distribution includes: stock dividend, stock splits, and rights offering.
  3. ACCADJ has a value of 1 at the base day which is either the first day of the data base or the first day of listing, DTLIST.
  4. ACCADJ is calculated as:

$$ACCADJ(t) = ACCADJ(t-1) * \frac{CLSPRC(t-1) * AMOUNT(d) * [ 1 + AMOUNT(r) + AMOUNT(s) ]}{CLSPRC(t-1) + [ SUBPRC * AMOUNT(d) * AMOUNT(r) ]}$$

- where
- AMOUNT(d) = number of shares that one original share becomes on DTEXDI = t,
  - AMOUNT(r) = allocation rate for rights offering with DTEXDI = t,
  - AMOUNT(s) = allocation rate for stock dividends with DTEXDI = t,
  - ACCADJ(t) = accumulative adjustment factor at day t,
  - ACCADJ(t-1) = accumulative adjustment factor at day t-1,
  - CLSPRC(t) = closing price at day t,
  - CLSPRC(t-1) = closing price at day t-1,
  - DTEXDI = ex-distribution date,
  - SUBPRC = subscription price for rights offering.

\* For Hong Kong, the length is 12, the decimal point is 6 and the missing value is -99999.

FOUND IN:      Daily Stock Price & Returns File

**AMOUNT      Amount**

DATA TYPE:      Numeric                      LENGTH: 12              DECIMALS: 6              MISSING VALUE: -99999

- DESCRIPTION:
1. Item represents amount of capital distribution.
  2. For distribution types with 'C' as the first character, amount represents a cash distribution in local currency per share. The amount is based on value before a split or consolidation in the case that a stock split or consolidation occurs on the same ex-distribution date.
  3. For distribution types with 'D' as the first character, amount represents the number of shares that one original share becomes, e.g. the amount for a 2 for 1 split is 2.
  4. For distribution types with 'S' as the first character, amount is a stock dividend in decimal, e.g. 1 share for every 5 shares is .20. The stock dividend is after a stock split or consolidation in the case that a stock split or consolidation occurs on the same ex-distribution date.
  5. For distribution types with 'R' as the first character, amount represents the allocation rate in decimal for rights offerings. The rights offering is after a stock split or consolidation in the case that a stock split or consolidation occurs on the same ex-distribution date.
  6. Missing values would be found in distribution types 'CV', 'CW', and 'CX' if the cash equivalent of the distribution cannot be determined due to unavailable stock prices.
  7. See Appendix A for the list of capital distribution type codes.

FOUND IN:      Capital Distributions File

---

**BAL1 Cash**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents currency and available funds on deposit at the bank.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN: Financial Statements File - Industrial Companies

---

**BAL2 Marketable Securities**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents readily tradable equity/debt securities held.  
2. Valuation method depends on individual company's practice.  
3. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN: Financial Statements File - Industrial Companies

---

**BAL3 Accounts and Notes Receivable**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents receivable expected to be collected within a year or during the current operating cycle, whichever is longer.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN: Financial Statements File - Industrial Companies

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**BAL4 Inventories**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents total of raw materials on hand, work in process, and finished goods available for sale but not sold as of fiscal year end.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN: Financial Statements File - Industrial Companies

---

**BAL5 Other Current Assets**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents current assets that are not included in other categories.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN: Financial Statements File - Industrial Companies

---

**BAL6 Total Current Assets**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents the sum of cash, marketable securities, accounts and notes receivable, inventories, and other current assets.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

**BAL7 Net Fixed Assets**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents durable assets used in regular operations of the business; such as land, plants and machinery, furniture, and tools.  
2. Value shown is net of cumulative depreciation.  
3. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

**BAL8 Investments and Other Assets**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents investments not expected to be liquidated within a year or the current operating cycle plus all non-current assets not included in other categories.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

**BAL9 Total Assets**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents the sum of all current and non-current assets.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

**BAL10 Accounts and Notes Payable**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents accounts and notes payable within a year or the operating cycle, whichever is longer.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

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**BAL11 Short-Term Loans**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 

1. Item represents loans to be repaid within a year or the operating cycle, whichever is longer.
2. It includes the current portion of long-term loans.
3. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

---

**BAL12 Other Current Liabilities**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 

1. Item represents current liabilities not included in other categories.
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

---

**BAL13 Total Current Liabilities**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 

1. Item represents the sum of accounts and notes payable, short-term loans, and other current liabilities.
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

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**BAL14 Long-Term Loans**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 

1. Item represents loans with maturity date beyond one year or the current operating cycle, whichever is longer.
2. It excludes current portion due.
3. In source books of Taiwan database, item is shown as "long-term liabilities" and includes bonds and debentures.
4. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

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**BAL15 Debentures**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 

1. Item represents unsecured long-term debts.
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

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**BAL16 Other Long-Term Liabilities**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 

1. Item represents long-term liabilities not included in other categories.
2. It is shown as "Other Liabilities" in source books of the Taiwan database.
3. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

---

**BAL17 Total Liabilities**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 

1. Item represents the sum of all current and non-current liabilities.
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

---

**BAL18 Capital Stock**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 

1. Item represents paid-in capital at par value for both common and preferred stocks.
2. For Japanese database, it includes part of the paid-in capital in excess of par value.
3. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

---

**BAL19 Additional Paid-In Capital**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 

1. Item represents paid-in or contributed capital in excess of par value.
2. It is not shown in source books of the Taiwan database.
3. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

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**BAL20 Retained Earnings**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 

1. Item represents cumulative earnings retained by the company.
2. For Taiwan database, the amount in source books includes additional paid-in capital.
3. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

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**BAL21 Total Stockholders' Equity**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents cumulative net contributions by stockholders plus retained earnings.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN: Financial Statements File - Industrial Companies

---

**BAL22 Total Liabilities and Stockholders' Equity**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents total liabilities plus stockholders' equity.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN: Financial Statements File - Industrial Companies

---

**BALB1 Cash and Bank Balances**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents cash in hand and available funds deposit at banks (or other banks if the company is a bank).  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN: Financial Statements File - Financial Companies

---

**BALB2 Investments**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents both short-term and long-term investments.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN: Financial Statements File - Financial Companies

---

**BALB3 Loans and Receivables**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents loans and advances to customers.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN: Financial Statements File - Financial Companies

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---

**BALB4 Net Fixed Assets**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 

1. Item represents durable assets used in regular operations of the business; such as land, plants and machinery, furniture, and tools.
2. Value shown is net of cumulative depreciation.
3. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Financial Companies

---

**BALB5 Other Assets**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 

1. Item represents assets that are not included in other categories.
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Financial Companies

---

**BALB6 Total Assets**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 

1. Item represents the sum of all assets.
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Financial Companies

---

**BALB7 Accounts and Notes Payable**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 

1. Item represents accounts and notes payable within a year or the operating cycle, whichever is longer.
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Financial Companies

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**BALB8 Deposits and Borrowings**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 

1. Item represents customers' deposits and borrowings from banks or other banks
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Financial Companies

---

**BALB9 Other Liabilities**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents liabilities not included in other categories.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Financial Companies

**BALB10 Total Liabilities**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents the sum of all liabilities.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Financial Companies

**BALB11 Capital Stock**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents paid-in capital at par value for both common and preferred stocks as of the fiscal year end.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Financial Companies

**BALB12 Surplus & Retained Earnings**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents cumulative earnings retained and reserves held by the company.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Financial Companies

**BALB13 Total Stockholders' Equity**

DATA TYPE: Numeric                      LENGTH: 14                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents cumulative net contributions by stockholders plus surplus and retained earnings.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Financial Companies

**BALB14 Total Liabilities and Stockholders' Equity**

DATA TYPE: Numeric                      LENGTH: 14                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents total liabilities plus stockholders' equity.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Financial Companies

**CLSDAY Day of Closing Price**

DATA TYPE: Numeric                      LENGTH: 2                      DECIMALS: 0                      MISSING VALUE: -9

DESCRIPTION: 1. Item represents the day in month a stock's last closing price was quoted.  
2. Value stored as DD, e.g. 10th of the month is stored as 10.

FOUND IN: Monthly Stock Price & Returns File

**CLSPRC Closing Price**

DATA TYPE: Numeric                      LENGTH: 8                      DECIMALS\*: 2                      MISSING VALUE\*: See Apendix A

DESCRIPTION: 1. Item represents the closing price of a stock on a trading date or last closing price in a trading month.  
2. Unit of measurement is local currency per share.  
\* For Japan and Korea, decimal is 0.  
\* For Hong Kong and Malaysia, decimal is 3.

FOUND IN: Daily Stock Price & Returns File  
Monthly Stock Price & Returns File

**CNTCO Number of Companies Included in Calculation**

DATA TYPE: Numeric                      LENGTH: 4                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item represents the number of stocks included in calculation of daily(monthly) market portfolio returns for the trading date(month).  
2. Only common stocks are included in the calculation.  
3. Only stocks with non-missing returns and non-missing market values are included in the calculation.

FOUND IN: Daily Market Returns File  
Monthly Market Returns File

**CNTDAY Number of Trading Days in Month**

DATA TYPE: Numeric                      LENGTH: 2                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: Number of days the Stock Exchange was open during a trading month.

FOUND IN: Monthly Market Returns File

**CNTTRD Number of Days Traded in Month**

DATA TYPE: Numeric                      LENGTH: 2                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: Number of days a stock was traded in the month.

FOUND IN: Monthly Stock Price & Returns File

**COID      Company ID**

DATA TYPE:    Character                      LENGTH\*: 6                      DECIMALS:                      MISSING VALUE:

DESCRIPTION: 1. Item represents the ID assigned by each country's Stock Exchange to a company. This ID is used as a unique identifier to locate each company (see Appendix E for list of companies by company ID).  
 2. For all countries except Thailand and Indonesia, COID consists of only numbers.  
 3. For Thailand and Indonesia, COID is an abbreviation of the company name and consists of letters, numbers and special characters.  
 \* For Hong Kong, the COID is a 8-digit numerical code in all files except the Financial Statements files. The first 4 digits denote the company while the last four digits denote the stock number of a stock for that company. In the Financial Statements Files, the COID uses only the first four digits of the 8-digit numerical code which denotes the company.

FOUND IN:    Capital Distributions File  
 Company File  
 Daily Stock Price & Returns File  
 Financial Statements Files  
 Monthly Stock Price & Returns File

**COMMNT      Comment**

DATA TYPE:    Character                      LENGTH\*: 100                      DECIMALS:                      MISSING VALUE:

DESCRIPTION: Additional information about the company.  
 \* For Hong Kong and Singapore, the field length is 200.

FOUND IN:    Company File

**CONAME      Company Name**

DATA TYPE:    Character                      LENGTH: 50                      DECIMALS:                      MISSING VALUE:

DESCRIPTION: Name of a company (see Appendix D for list of companies by company name).

FOUND IN:    Company File

**CRID      Cross Reference ID**

DATA TYPE:    Character                      LENGTH\*: 6                      DECIMALS:                      MISSING VALUE:

DESCRIPTION: The field is blank unless the following situations occur:  
 1. When a company was reclassified to a different industry, then CRID represents the COID that was previously assigned to the company.  
 2. When the company was delisted due to a merger, then CRID represents the COID of the surviving company.  
 3. When the company was replaced by another company, then CRID represents the COID of the replacing company.  
 4. When the company was delisted and relisting with the same company name, the CRID represents the COID of the relisting company.  
 \* For Hong Kong, the field length is 8.

FOUND IN:    Company File

**CUNTRY      Country ID**

DATA TYPE:    Numeric                      LENGTH: 2                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: Code assigned to each country in PACAP Databases.  
 01 = Taiwan  
 02 = Korea  
 03 = Thailand  
 04 = Malaysia  
 05 = Hong Kong  
 06 = Singapore  
 07 = Indonesia  
 09 = Japan

FOUND IN:      All files

**DERMND      Daily Equally Weighted Market Returns without Cash Dividends Reinvested**

DATA TYPE:    Numeric                      LENGTH: 10                      DECIMALS: 6                      MISSING VALUE: -999

DESCRIPTION: 1. Item represents daily returns excluding cash dividends for an equally weighted market portfolio.  
 2. All common and preferred stocks with non-missing returns and non-missing market values for the previous month are included in the calculation.  
 3. The weights are defined as 1/CNTCO.

FOUND IN:      Daily Market Returns File

**DERMWD      Daily Equally Weighted Market Returns with Cash Dividends Reinvested**

DATA TYPE:    Numeric                      LENGTH: 10                      DECIMALS: 6                      MISSING VALUE: -999

DESCRIPTION: 1. Item represents daily returns with cash dividends reinvested for an equally weighted market portfolio.  
 2. All common and preferred stocks with non-missing returns and non-missing market values for the previous month are included in the calculation.  
 3. The weights are defined as 1/CNTCO.

FOUND IN:      Daily Market Returns File

**DISTYP      Distribution Type**

DATA TYPE:    Character                      LENGTH: 2                      DECIMALS:                      MISSING VALUE:

DESCRIPTION: 1. Code used to characterize the type of capital distribution.  
 2. Four groups of codes (identified by the first character of the code) are used to distinguish the different distribution types:  
     C    = Cash Distribution  
     D    = Stock Splits/Consolidation and Capital Reduction  
     S    = Stock Dividend  
     R    = Rights Offering  
 3. See appendix A for the list of distribution type codes.

FOUND IN:      Capital Distributions File

**DRETND Daily Returns without Cash Dividends Reinvested**

DATA TYPE: Numeric                      LENGTH: 10                      DECIMALS: 6                      MISSING VALUE: See Appendix A

- DESCRIPTION:
1. item represents daily stock returns excluding cash dividends.
  2. If any data element used in calculation is unavailable, a missing value is stored in this field.
  3. DRETND is calculated as follows:

$$DRETND(t) = \frac{CLSPRC(t) * ACCADJ(t)}{CLSPRC(t-1) * ACCADJ(t-1)} - 1$$

where    ACCADJ(t)        = cumulative adjustment factor at day t,  
           ACCADJ(t-1)      = cumulative adjustment factor at day t-1,  
           CLSPRC(t)        = closing price at day t,  
           CLSPRC(t-1)     = closing price at day t-1.

FOUND IN:            Daily Stock Price & Returns File

**DRETWD Daily Returns with Cash Dividends Reinvested**

DATA TYPE: Numeric                      LENGTH: 10                      DECIMALS: 6                      MISSING VALUE: See Appendix A

- DESCRIPTION:
1. Item represents daily stock returns with cash dividends reinvested.
  2. If any data element used in calculation is unavailable, a missing value is stored in this field.
  3. DRETWD includes all distributions.
  4. DRETWD is calculated as follows:

$$DRETWD(t) = \left[ \frac{CLSPRC(t) * ACCADJ(t)}{CLSPRC(t-1) * ACCADJ(t-1)} + AMOUNT(c') \right] - 1$$

where    AMOUNT(c')        = AMOUNT(c) / [ CLSPRC(t-1) + [ SUBPRC \* AMOUNT(r) \* AMOUNT(d) ] ],  
           AMOUNT(c)       = cash distribution amount with DTEXDI = t,

FOUND IN:            Daily Stock Price & Returns File



**DTANNO      Announcement Date**

DATA TYPE:    Numeric                      LENGTH: 8                      DECIMALS: 0                      MISSING VALUE: -9999999

DESCRIPTION:    1. Item represents the date on which the company announced the capital distributions.  
                      2. Value stored as YYYYMMDD; e.g. 19800101.  
                      3. Data unavailable for Japanese and Taiwan databases.

FOUND IN:        Capital Distributions File

**DTAVAL      Date First Available**

DATA TYPE:    Numeric                      LENGTH: 8                      DECIMALS: 0                      MISSING VALUE: -9999999

DESCRIPTION:    1. Item represents the date the company's data first appeared in the PACAP Daily Stock Price & Returns File.  
                      2. Value stored as YYYYMMDD.  
                      3. Missing value denotes that the stock price data of a company is unavailable throughout the period covered in PACAP.

FOUND IN:        Company File

**DTCAL      Calendar Date**

DATA TYPE:    Numeric                      LENGTH: 8                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION:    1. Item represents a calendar date.  
                      2. Value stored as YYYYMMDD.

FOUND IN:        Calendar File

**DTESTB     Date Established**

DATA TYPE:    Numeric                      LENGTH: 8                      DECIMALS: 0                      MISSING VALUE: -9999999

DESCRIPTION:    1. Item represents the date the company was incorporated.  
                      2. Value stored as YYYYMMDD.

FOUND IN:        Company File

**DTEXDI     Ex-Distribution Date**

DATA TYPE:    Numeric                      LENGTH: 8                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION:    1. Item represents the date on which the stock is first traded without the right to receive the capital distribution.  
                      2. Value stored as YYYYMMDD.

FOUND IN:        Capital Distributions File

**DTLIST      Date Listed**

DATA TYPE:    Numeric                      LENGTH: 8                      DECIMALS: 0                      MISSING VALUE: -9999999

DESCRIPTION: 1. Item represents the date the company/stock was listed on the Stock Exchange.  
2. Value stored as YYYYMMDD.

FOUND IN:      Company File

**DTPAY      Payment Date**

DATA TYPE:    Numeric                      LENGTH: 8                      DECIMALS: 0                      MISSING VALUE: -9999999

DESCRIPTION: 1. Item represents the date on which cash dividends are paid or stocks are assigned to stockholders.  
2. Value stored as YYYYMMDD.  
3. Data unavailable for the Taiwan database.

FOUND IN:      Capital Distributions File

**DTSTAT      Date of Status Change**

DATA TYPE:    Numeric                      LENGTH: 8                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item represents the date when the company is delisted.  
2. Value stored as YYYYMMDD.  
3. If the STATCO field has a code other than "A", then the DTSTAT represents the date this change occurred.  
4. If the STATCO field has a code of "A", then DTSTAT will be blank.

FOUND IN:      Company File

**DTTRD      Trading Date**

DATA TYPE:    Numeric                      LENGTH: 8                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item represents a trading date.  
2. Value stored as YYYYMMDD.

FOUND IN:      Daily Exchange Rate File  
Daily Indices File  
Daily Market Returns File  
Daily Stock Price & Returns File

**DVMDRND Daily Value-Weighted Market Returns without Cash Dividends Reinvested**

DATA TYPE: Numeric                      LENGTH: 10                      DECIMALS: 6                      MISSING VALUE: See Appendix A

- DESCRIPTION:
1. Item represents daily returns excluding cash dividends for a value-weighted market portfolio.
  2. All common and preferred stocks with non-missing returns and non-missing market values for the previous month are included in the calculation.
  3. The weight assigned to stock *i* is

$$\frac{MKTVAL_i}{\sum_{i=1}^{CNTCO} MKTVAL_i}$$

where  $MKTVAL_i$  = previous month's total market value of stock *i*, and  
 $CNTCO$  = number of common stocks included in the calculation

\* For Singapore, stocks traded in foreign currencies are not included in daily market return calculations.

FOUND IN: Daily Market Returns File

**DVMRWD Daily Value-Weighted Market Returns with Cash Dividends Reinvested**

DATA TYPE: Numeric                      LENGTH: 10                      DECIMALS: 6                      MISSING VALUE: See Appendix A

- DESCRIPTION:
1. Item represents daily returns with cash dividends reinvested for a value-weighted market portfolio.
  2. All common and preferred stocks with non-missing returns and non-missing market values for the previous month are included in the calculation.
  3. The weight assigned to stock *i* is

$$\frac{MKTVAL_i}{\sum_{i=1}^{CNTCO} MKTVAL_i}$$

where  $MKTVAL_i$  = previous month's total market value of stock *i*, and  
 $CNTCO$  = number of common stocks included in the calculation

\* For Singapore, stocks traded in foreign currencies are not included in daily market return calculations.

FOUND IN: Daily Market Returns File

**FINCUR Financial Statement Currency**

DATA TYPE: Character                      LENGTH: 3                      DECIMALS: 0                      MISSING VALUE:

- DESCRIPTION:
1. Item represents the currency in which the financial statements are presented.
  2. See Appendix A for the listing of currency codes.

FOUND IN: Financial Statements Files

**FISCAL Fiscal Year End**

DATA TYPE: Numeric                      LENGTH: 6                      DECIMALS: 0                      MISSING VALUE: -99999

DESCRIPTION: 1. Item represents the month and year when fiscal year end occurs.  
2. Value stored as YYYYMM; 199201 = January 31, 1992 ..... 199212 = December 31, 1993.

FOUND IN: Financial Statements Files

**FSTDAY Day of First Index**

DATA TYPE: Numeric                      LENGTH: 2                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item represents the day in month the first index value was quoted.  
2. Value stored as DD, e.g. 1st of the month is stored as 01.

FOUND IN: Monthly Indices File

**FSTVAL First Index Value in Month**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE:

DESCRIPTION: The closing index value of the first trading date in the month.

FOUND IN: Monthly Indices File

**HIDAY Day of Highest Index Value**

DATA TYPE: Numeric                      LENGTH: 2                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item represents the day in month the highest index value was quoted.  
2. Value stored as DD, e.g. 15th of the month is stored as 15.

FOUND IN: Monthly Indices File

**HIPRC High Price**

DATA TYPE: Numeric                      LENGTH: 8                      DECIMALS\*: 2                      MISSING VALUE\*: See Appendix A

DESCRIPTION: 1. Item represents the highest price of a stock on a trading date.  
2. Unit of measurement is local currency per share.  
\* For Japan and Korea, decimal is 0.  
\* For Hong Kong and Malaysia, decimal is 3.

FOUND IN: Daily Stock Price & Returns File

**HIVAL Highest Index Value in Month**

DATA TYPE: Numeric                   LENGTH: 7                   DECIMALS: 2                   MISSING VALUE:

DESCRIPTION: 1. Item represents the highest index value quoted in the month.  
2. The index value represents daily closing value.

FOUND IN: Monthly Indices File

**IDXID Index Code**

DATA TYPE: Numeric                   LENGTH: 4                   DECIMALS: 0                   MISSING VALUE:

DESCRIPTION: 1. Item represents the code assigned to different indices of each country.  
2. Each country has a composite index and various sub-indices grouped by different criteria.  
3. See Appendix B for list of indices for each country.

FOUND IN: Daily Indices File  
Monthly Indices File

**IDXNME Index Name**

DATA TYPE: Character                   LENGTH: 50                   DECIMALS: MISSING VALUE:

DESCRIPTION: Name of stock index (see Appendix B for list of indices).

FOUND IN: Monthly Indices File

**IDXVAL Index Value**

DATA TYPE: Numeric                   LENGTH: 7                   DECIMALS: 2                   MISSING VALUE: -9999

DESCRIPTION: The closing index value on a trading date.

FOUND IN: Daily Indices File

**INC1 Sales**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents revenues from sales of goods/services.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN: Financial Statements File - Industrial Companies

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**INC2 Cost of Sales**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents the cost of goods/services sold.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN: Financial Statements File - Industrial Companies

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**INC3 Gross Profit**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is the net amount of sales less cost of sales.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN: Financial Statements File - Industrial Companies

---

**INC4 Selling and Administrative Expenses**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents expenses incurred to support sales and general administration of the company's operations.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN: Financial Statements File - Industrial Companies

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**INC5 Income from Operations**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents income generated from the company's principal operations.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN: Financial Statements File - Industrial Companies

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**INC6 Other Revenues/Expenses**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents revenues or expenses resulting from secondary or other activities of the company.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN: Financial Statements File - Industrial Companies

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**INC7**      **Income Tax**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item represents income tax liability resulting from taxable income defined by each country's tax law.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN:      Financial Statements File - Industrial Companies

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**INC8**      **Extraordinary Gains/Losses**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item represents infrequent or unusual gains or losses.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN:      Financial Statements File - Industrial Companies

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**INC9**      **Net Income**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item represents after-tax income of a company's operations.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN:      Financial Statements File - Industrial Companies

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**INCB1**      **Operating Revenue**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item represents revenues generated from the company's principal operations.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN:      Financial Statements File - Financial Companies

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**INCB2**      **Operating Expenses**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item represents expenses incurred in the company's principal operations.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN:      Financial Statements File - Financial Companies

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**INCB3**      **Income from Operations**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item represents income generated from the company's principal operations.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN:      Financial Statements File - Financial Companies

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**INCB4**      **Other Revenues/Expenses**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item represents revenues or expenses resulting from secondary or other activities of the company.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN:      Financial Statements File - Financial Companies

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**INCB5**      **Income Tax**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item represents income tax liability resulting from taxable income defined by each country's tax law.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN:      Financial Statements File - Financial Companies

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**INCB6**      **Extraordinary Gains/Losses**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item represents infrequent or unusual gains or losses.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN:      Financial Statements File - Financial Companies

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**INCB7**      **Other Adjustments**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item differs by country (see Chapter 1 - File Structure for information).  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).FOUND IN:      Financial Statements File - Financial Companies

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**INCB8      Net Income**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item represents after-tax income of a company's operations.  
2. Unit of measurement differs by country (see Chapter 1 - File Structure for information).

FOUND IN:      Financial Statements File - Financial Companies

**INDID      Industry Code**

DATA TYPE:    Numeric                      LENGTH: 4                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item represents the code assigned to the industry in which a company is classified.  
2. For Hong Kong, Korea, Taiwan, and Malaysia, the INDID is assigned by the local Stock Exchange.  
3. For Japan, the INDID is assigned by Daiwa Institute of Research Ltd.  
4. For Thailand, the INDID is assigned by PACAP.

FOUND IN:      Company File  
Daily Stock Price & Returns File  
Financial Statements Files  
Monthly Stock Price & Returns File

**INDNME    Industry Name**

DATA TYPE:    Character                      LENGTH: 50                      DECIMALS:                      MISSING VALUE:

DESCRIPTION: Name of industry (see Appendix B for list of Industry Names).

FOUND IN:      Company File

**LODAY    Day of Lowest Index Value**

DATA TYPE:    Numeric                      LENGTH: 2                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item represents the day in month the lowest closing index value was quoted.  
2. Value stored as DD, e.g. 15th of the month is stored as 15.

FOUND IN:      Monthly Indices File

**LOPRC    Low Price**

DATA TYPE:    Numeric                      LENGTH: 8                      DECIMALS\*: 2                      MISSING VALUE\*: See Appendix A

DESCRIPTION: 1. Item represents the lowest price of a stock on a trading date.  
2. Unit of measurement is local currency per share.  
\* For Japan and Korea, decimal is 0.  
\* For Hong Kong and Malaysia, decimal is 3.

FOUND IN:      Daily Stock Price & Returns File

**LOVAL      Lowest Index Value in Month**

DATA TYPE:    Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE:

DESCRIPTION:    The lowest closing index value quoted in the month.

FOUND IN:      Monthly Indices File

**LSTDAY      Day of Last Index**

DATA TYPE:    Numeric                      LENGTH: 2                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION:    1. Item represents the day in month the last index value was quoted.  
2. Value stored as DD, e.g. 30th of the month is store as 30.

FOUND IN:      Monthly Indices File

**LSTVAL      Last Index Value in Month**

DATA TYPE:    Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE:

DESCRIPTION:    The last closing index value quoted in the month.

FOUND IN:      Monthly Indices File

**MADJCD      Accumulative Adjustment Factor at the last closing day of the month**

DATA TYPE:    Numeric                      LENGTH\*: 10                      DECIMAL\*: 6                      MISSING VALUE\*: -999

DESCRIPTION:    1. Item represents accumulative adjustment factor (ACCADJ) as at the last closing day of the month.  
2. MADJCD is used to adjust stock prices after distribution so that a comparison can be made on an equivalent basis between prices before and after the distribution. The distribution includes: stock dividend, stock splits, and rights offering.  
3. If the stock is not traded during the month, the missing value is stored in this field.

\* For Hong Kong, the length is 12, the decimal point is 6 and the missing value is -99999.

FOUND IN:      Monthly Stock Price &amp; Returns File

**MADJLD      Accumulative Adjustment Factor at the end of the month**

DATA TYPE:    Numeric                      LENGTH\*: 10                      DECIMAL\*: 6                      MISSING VALUE\*: -999

DESCRIPTION:    1. Item represents accumulative adjustment factor as at the end of the month.  
2. MADJLD is used to adjust stock prices after distribution so that a comparison can be made on an equivalent basis between prices before and after the distribution. The distribution includes: stock dividend, stock splits, and right offering.  
3. Normally, MADJLD equals MADJCD. However, they will be different, if some types of the above distribution take place in the period between the last closing day of the month and the end of the month.

\* For Hong Kong, the length is 12, the decimal point is 6 and the missing value is -99999.

FOUND IN:      Monthly Stock Price &amp; Returns File

**MERMND Monthly Equally Weighted Market Returns without Cash Dividends Reinvested**

DATA TYPE: Numeric                   LENGTH: 10                   DECIMALS: 6                   MISSING VALUE:

DESCRIPTION: 1. Item represents monthly returns excluding cash dividends for an equally weighted market portfolio.  
 2. All common and preferred stocks with non-missing returns and non-missing market values for the previous month are included in the calculation.  
 3. The weights are defined as 1/CNTCO.

FOUND IN: Monthly Market Returns File

**MERMWD Monthly Equally Weighted Market Returns with Cash Dividends Reinvested**

DATA TYPE: Numeric                   LENGTH: 10                   DECIMALS: 6                   MISSING VALUE:

DESCRIPTION: 1. Item represents monthly returns with cash dividends reinvested for an equally weighted market portfolio.  
 2. All common and preferred stocks with non-missing returns and non-missing market values for the previous month are included in the calculation.  
 3. The weights are defined as 1/CNTCO.

FOUND IN: Monthly Market Returns File

**MKT1 Cash Dividends - Common**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 2                   MISSING VALUE: -99999999

DESCRIPTION: 1. Item represents total dividends actually paid to common stockholders in the form of cash during the fiscal year.  
 2. Value quoted in local currency per share.

FOUND IN: Financial Statements Files

**MKT2 Stock Dividends - Common**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 2                   MISSING VALUE: -99999999

DESCRIPTION: 1. Item represents total dividends actually distributed to common stockholders in the form of stock during the fiscal year.  
 2. Value quoted in decimal format; e.g. 1 share for every 5 is 0.20.

FOUND IN: Financial Statements Files

**MKT3 Ending Price - Common Stock**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS\*: 2                   MISSING VALUE\*: See Appendix A

DESCRIPTION: 1. Item represents the last price of the company's common stock quoted on the Stock Exchange for the fiscal year.  
 2. Missing value represents no trading during the fiscal year.  
 3. Unit of measurement is local currency per share.  
 \* For Hong Kong, Malaysia, and Singapore decimal is 3 and missing value is stored as -9999999.

FOUND IN: Financial Statements Files

**MKT4 Ending Price - Preferred Stock**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS\*: 2                      MISSING VALUE\*: See Appendix A

DESCRIPTION: 1. Item represents the last price of the company's preferred stock quoted on the Stock Exchange for the fiscal year.  
 2. Missing value represents data unavailable or company has more than one preferred stocks on file.  
 3. Unit of measurement is local currency per share.  
 \* For Hong Kong and Malaysia, decimal is 3 and missing value is stored as -9999999.

FOUND IN: Financial Statements Files

**MKT5 Number of Shares Outstanding - Common Stock**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: -9999999999

DESCRIPTION: 1. Item represents the number of shares of common stock outstanding as of fiscal year end.  
 2. Unit of measurement is thousands of shares.

FOUND IN: Financial Statements Files

**MKT6 Number of Shares Outstanding - Preferred Stock**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: -9999999999

DESCRIPTION: 1. Item represents the number of shares of preferred stock outstanding as of fiscal year end.  
 2. Missing value represents data unavailable.  
 3. Unit of measurement is thousands of shares.

FOUND IN: Financial Statements Files

**MKTCAP Market Capitalization**

DATA TYPE: Numeric                      LENGTH: 10                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item represents the total market value of common and preferred stocks included in PACAP as of the end of the trading month.  
 2. MKTCAP is defined as

$$\sum_{i=1}^N \text{MKTVAL}_i$$

where  $\text{MKTVAL}_i$  = the total market value of stock  $i$  as of trading month, and  
 $N$  = the total number of common stocks with non-missing MKTVAL.

3. Unit of measurement is millions of local currency.

FOUND IN: Monthly Market Returns File

**MKTVAL      Market Value**

DATA TYPE:    Numeric                      LENGTH: 10                      DECIMALS: 0                      MISSING VALUE: -999999999

DESCRIPTION: 1. Item represents the market value of individual stocks as of the end of the trading month.  
2. MKTVAL is defined as

$$\text{CLSPRC} * \text{SHROUT}$$

where    CLSPRC            = last closing price of the trading month, and  
          SHROUT            = number of shares outstanding at month end.

3. If no trading occurs during the month, previous month's market value is carried forward.
4. Missing value can be a result of either the last closing price being unavailable on beginning date of the database, or when the number of shares outstanding is unknown.
5. Unit of measurement is millions of local currency.

FOUND IN:      Monthly Stock Price & Returns File

**MONCOV      Months Covered in Income Statement**

DATA TYPE:    Numeric                      LENGTH: 2                      DECIMALS: 0                      MISSING VALUE: -9

DESCRIPTION: 1. Item represents the number of months that the income statement covers.

FOUND IN:      Financial Statements Files

**MONTH        Calendar/Trading Month**

DATA TYPE:    Numeric                      LENGTH: 6                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item represent a trading month.  
2. Value stored as YYYYMM, e.g. January 1980 is stored as 198001.

FOUND IN:      Key Economic Statistics File - Monthly  
                  Monthly Indices File  
                  Monthly Market Returns File  
                  Monthly Stock Price & Returns File

**MRETND Monthly Returns without Cash Dividends Reinvested**

DATA TYPE: Numeric                      LENGTH: 10                      DECIMALS: 6                      MISSING VALUE: See Appendix A

- DESCRIPTION:
1. Item represents monthly stock returns excluding cash dividends.
  2. If any data element used in calculation is unavailable, a missing value is stored in MRETND.
  3. MRETND<sub>i</sub> is calculated as follows:

$$\text{MRETND}_i = \prod_{t=1}^n (1 + \text{DRETND}_t) - 1$$

where    DRETND(t) = daily return without cash dividend reinvested at day t,  
               n                      = number of trading days in month t.

FOUND IN:            Monthly Stock Price & Returns File

**MRETWD Monthly Returns with Cash Dividends Reinvested**

DATA TYPE: Numeric                      LENGTH: 10                      DECIMALS: 6                      MISSING VALUE: See Appendix A

- DESCRIPTION:
1. Item represents monthly stock returns with cash dividends reinvested.
  2. If any data element used in calculation is unavailable, a missing value is stored in MRETWD.
  3. MRETWD includes all distributions.
  4. MRETWD<sub>i</sub> is calculated as follows:

$$\text{MRETWD}_i = \prod_{t=1}^n (1 + \text{DRETWD}_t) - 1$$

where    DRETWD(t) = daily return with cash dividend reinvested at day t,  
               n                      = number of trading days in month t.

FOUND IN:            Monthly Stock Price & Returns File

**MVRMND Monthly Value-Weighted Market Returns without Cash Dividends Reinvested**

DATA TYPE: Numeric                      LENGTH: 10                      DECIMALS: 6                      MISSING VALUE:

- DESCRIPTION:
1. Item represents monthly returns excluding cash dividends for a value-weighted market portfolio.
  2. All common and preferred stocks with non-missing returns and non-missing market values for the previous month are included in the calculation.
  3. The weight assigned to stock *i* is

$$\frac{MKTVAL_i}{\sum_{i=1}^{CNTCO} MKTVAL_i}$$

where  $MKTVAL_i$  = previous month's total market value of stock *i*, and  
 $CNTCO$  = number of common stocks included in the calculation.

\* For Singapore, stocks traded in foreign currencies are not included in monthly market return calculations.

FOUND IN: Monthly Market Returns File

**MVRMWD Monthly Value-Weighted Market Returns with Cash Dividends Reinvested**

DATA TYPE: Numeric                      LENGTH: 10                      DECIMALS: 6                      MISSING VALUE:

- DESCRIPTION:
1. Item represents monthly returns with cash dividends reinvested for a value-weighted market portfolio.
  2. All common and preferred stocks with non-missing returns and non-missing market values for the previous month are included in the calculation.
  3. The weight assigned to stock *i* is

$$\frac{MKTVAL_i}{\sum_{i=1}^{CNTCO} MKTVAL_i}$$

where  $MKTVAL_i$  = previous month's total market value of stock *i*, and  
 $CNTCO$  = number of common stocks included in the calculation.

\* For Singapore, stocks traded in foreign currencies are not included in monthly market return calculations.

FOUND IN: Monthly Market Returns File

**OPNDAY Day of Opening Price**

DATA TYPE: Numeric                      LENGTH: 2                      DECIMALS: 0                      MISSING VALUE: -9

- DESCRIPTION:
1. For all countries except Hong Kong and Malaysia, item represents the day in month a stock's first opening price was quoted.
  2. For Hong Kong and Malaysia (opening price unavailable in source data), item represents the day in month a stock is first traded.
  3. Value stored as DD, e.g. 1st of the month is stored as 01.

FOUND IN: Monthly Stock Price & Returns File

**OPNPRC      Opening Price**

DATA TYPE:      Numeric                      LENGTH: 8                      DECIMALS\*: 2                      MISSING VALUE\*: See Appendix A

DESCRIPTION:    1. Item represents the opening price of a stock on a trading date or opening price in a trading month.  
 2. Item is unavailable for Hong Kong and Malaysia.  
 3. Unit of measurement is local currency per share.  
 \* For Japan, Korea and Indonesia, decimal is 0.  
 \* For Hong Kong, Malaysia and Singapore, decimal is 3.

FOUND IN:        Daily Stock Price & Returns File  
 Monthly Stock Price & Returns File

**PARCUR      Par Value Currency**

DATA TYPE:      Character                      LENGTH: 3                      DECIMALS:                      MISSING VALUE:

DESCRIPTION:    1. Item represents the currency of PARVAL (Par Value) as of the last day of PACAP if PARVAL is available.  
 2. Field is blank for delisted companies.

FOUND IN:        Company File

**PARVAL      Par Value**

DATA TYPE:      Numeric                      LENGTH: 8                      DECIMALS\*: 2                      MISSING VALUE\*: -99999

DESCRIPTION:    1. Item represents the par value of a stock as of the last day of PACAP.  
 2. Unit of measurement is local currency per share.  
 3. This element is unavailable for delisted companies.  
 4. For Japan, 0 means the company has no par value.  
 \* For Hong Kong and Singapore, decimal is 3 and missing value is stored as -9999.

FOUND IN:        Company File

**PICAP        Paid-in Capital**

DATA TYPE:      Numeric                      LENGTH: 10                      DECIMALS: 0                      MISSING VALUE: -999999999

DESCRIPTION:    1. Item represents the amount of paid-in capital when company was first listed on Stock Exchange.  
 2. Unit of measurement is thousands of local currency.

FOUND IN:        Company File



**PICCUR**      **Paid-in Capital Currency**

DATA TYPE: Character                      LENGTH: 3                      DECIMALS:                      MISSING VALUE:

DESCRIPTION: Item represents the currency of the value stored in the PICAP (Paid-in Capital) field if the PICAP is available.

FOUND IN: Company File

**QRTR**              **Quarter**

DATA TYPE: Numeric                      LENGTH: 1                      DECIMALS: 0                      MISSING VALUE: 9

DESCRIPTION: 1. Item represents a quarter of a year.  
2. Value stored as YYYYQ, e.g. first quarter (January to March) of 1980 is stored as 19801.

FOUND IN: Key Economic Statistics File - Quarterly

**SECTID**              **Section Code**

DATA TYPE: Numeric                      LENGTH: 1                      DECIMALS: 0                      MISSING VALUE: 9

DESCRIPTION: 1. Item represents code for grouping companies into a certain category of stock.  
2. In Company File, this is the section code as of the ending date of the PACAP databases. This field is blank if the status of the company is not equal to "A" (active).  
3. In Daily Stock Price & Returns File, this is the section code of the company as of the trading date.  
4. In Monthly Stock Price & Returns File, this is the section code of the company as of the end of the trading month.  
5. See Appendix C for listing of sections and classification criteria of each country.

FOUND IN: Company File  
Daily Stock Price & Returns File  
Monthly Stock Price & Returns File

**SHROUT**              **Number of Shares Outstanding**

DATA TYPE: Numeric                      LENGTH: 8                      DECIMALS: 0                      MISSING VALUE: -9999999

DESCRIPTION: 1. Item represents the number of shares outstanding on a trading date or at month end.  
2. Unit of measurement is thousands of shares.

FOUND IN: Daily Stock Price & Returns File (Japan & Korea only)  
Monthly Stock Price & Returns File (all countries)

**STATCO**              **Status of Company**

DATA TYPE: Character                      LENGTH: 1                      DECIMALS:                      MISSING VALUE:

DESCRIPTION: Code representing current status of company. See Appendix A for the list of codes.

FOUND IN: Company File

**STATSE      Status of Stock Exchange**

DATA TYPE:    Character                      LENGTH: 1                      DECIMALS:                      MISSING VALUE:

DESCRIPTION: Code indicating whether the Stock Exchange was open or closed on the calendar date.  
 O = Open  
 C = Closed

FOUND IN:      Calendar File

**STKTYP      Stock Type**

DATA TYPE:    Numeric                      LENGTH: 1                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: Code assigned to different types of stocks.  
 1 = Common Stock  
 2 = Common Stock traded on Alien Board (applicable to Malaysia and Thailand only)  
 5 = Preferred Stock  
 6 = Preferred Stock (second preferred stock of a company)

FOUND IN:      Capital Distributions File  
 Company File  
 Daily Stock Price & Returns File  
 Monthly Stock Price & Returns File

**SUBPRC      Subscription Price**

DATA TYPE:    Numeric                      LENGTH: 8                      DECIMALS: 2                      MISSING VALUE:

DESCRIPTION: 1. Item represents the price that the stockholders have to pay for one share of stock subscribed through a rights offering.  
 2. Valid only for distribution types with 'R' as the first character, otherwise field is zero.  
 3. The subscription price is based on the issuing price of the stock at the new par value in the case that a stock split or consolidation occurs on the same ex-distribution date.

FOUND IN:      Capital Distributions File

**TRDVAL      Value of Shares Traded**

DATA TYPE:    Numeric                      LENGTH\*: 8                      DECIMALS: 0                      MISSING VALUE: -999999999

DESCRIPTION: 1. Item represents value of shares traded on a trading date or in a trading month.  
 2. This data element is unavailable for Korea.  
 3. For Taiwan, values before 1991 = closing price for the day \* no. of shares traded.  
 4. Unit of measurement:  
     a) For all countries except Japan - thousands of local currency.  
     b) For Japan - in millions of Yen.  
 \* Field length is 8 in Daily Stock Price & Returns File

FOUND IN:      Daily Market Returns File  
 Daily Stock Price & Returns File  
 Monthly Market Returns File  
 Monthly Stock Price & Returns File

**TRDVOL      Number of Shares Traded**

DATA TYPE:    Numeric                      LENGTH\*: 10                      DECIMALS: 0                      MISSING VALUE: -999999999

DESCRIPTION: 1. Item represents the number of shares traded on a trading date or in a trading month.  
 2. Value quoted in units for Daily and Monthly Stock Price & Returns File. Value quoted in thousands in Daily and Monthly Market Returns File.  
 \* For Hong Kong, field length is 11 in Monthly Stock Price & Returns File.

FOUND IN:      Daily Market Returns File  
 Daily Stock Price & Returns File  
 Monthly Market Returns File  
 Monthly Stock Price & Returns File

**WKDAY      Day of Week**

DATA TYPE:    Numeric                      LENGTH: 1                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: Code assigned to the day of the week.  
 1 = Monday  
 2 = Tuesday  
 3 = Wednesday  
 4 = Thursday  
 5 = Friday  
 6 = Saturday  
 7 = Sunday

FOUND IN:      Calendar File  
 Daily Exchange Rate File  
 Daily Indices File  
 Daily Market Returns File  
 Daily Stock Price & Returns File

**XRATE      Daily Exchange Rate**

DATA TYPE:    Numeric                      LENGTH: 9                      DECIMALS: 4                      MISSING VALUE: -9999

DESCRIPTION: 1. Item represents the daily exchange rate of local currency per US Dollars.  
 2. Mid rates are quoted.

FOUND IN:      Daily Exchange Rate File

**YEAR      Year**

DATA TYPE:    Numeric                      LENGTH: 4                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item represents a calendar Year.  
 2. Value stored as YYYY.

FOUND IN:      Key Economic Statistics File - Yearly  
 Financial Statements Files

*This page is intentionally left blank*

**KSF1      Accounts Receivable**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL3.  
2. Unit of measurement is thousands of Won.

FOUND IN:    Financial Statements File (Korea)

**KSF2      Notes Receivable**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL3.  
2. Unit of measurement is thousands of Won.

FOUND IN:    Financial Statements File (Korea)

**KSF3      Other Accounts Receivable**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL3.  
2. Unit of measurement is thousands of Won.

FOUND IN:    Financial Statements File (Korea)

**KSF4      Merchandise**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL4.  
2. Unit of measurement is thousands of Won.

FOUND IN:    Financial Statements File (Korea)

**KSF5      Semi-Finished Goods**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL4.  
2. Unit of measurement is thousands of Won.

FOUND IN:    Financial Statements File (Korea)

**KSF6      Raw Materials**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL4.  
2. Unit of measurement is thousands of Won.

FOUND IN:    Financial Statements File (Korea)

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**KSF7 Supplies**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL4.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSF8 Inventories Purchased From Affiliated**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL4.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSF9 Accrued Income**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL5.  
2. It represents trade accounts payable within a year.  
3. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSF10 Advance Payments**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL5.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSF11 Prepaid Expenses**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL5.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSF12 Other Short-Term Loans**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL5.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF13 Short-Term Loans**

DATA TYPE: Numeric LENGTH: 11 DECIMALS: 0 MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL5.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF14 Deposits**

DATA TYPE: Numeric LENGTH: 11 DECIMALS: 0 MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL5.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF15 Land**

DATA TYPE: Numeric LENGTH: 11 DECIMALS: 0 MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL7.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF16 Construction In Progress**

DATA TYPE: Numeric LENGTH: 11 DECIMALS: 0 MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL7.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF17 Building & Auxiliary Facilities**

DATA TYPE: Numeric LENGTH: 11 DECIMALS: 0 MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL7.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF18 Structure**

DATA TYPE: Numeric LENGTH: 11 DECIMALS: 0 MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL7.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSF19**      **Accumulated Depreciation**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item is only applicable to Korean database and grouped under BAL7.  
                    2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSF20**      **Machinery & Equipment**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item is only applicable to Korean database and grouped under BAL7.  
                    2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSF21**      **Vehicles**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item is only applicable to Korean database and grouped under BAL7.  
                    2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSF22**      **Tools & Equipment**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item is only applicable to Korean database and grouped under BAL7.  
                    2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSF23**      **Net Fixed Assets**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item is only applicable to Korean database and grouped under BAL7.  
                    2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSF24**      **Investments**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION:    1. Item is only applicable to Korean database and grouped under BAL8.  
                    2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)



**KSF25 Investments Securities**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL8.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF26 Long-Term Loans**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL8.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF27 Long-Term Prepaid Expenses**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL8.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF28 Other Investments**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL8.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF29 Intangible Assets**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL8.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF30 Deferred Charges**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL8.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSF31**      **Accounts Payable**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL10.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSF32**      **Notes Payable**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL10.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSF33**      **Dividend Payable**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL12.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSF34**      **Advance Receipts**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL12.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSF35**      **Accrued Expense**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL12.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSF36**      **Other Current Portion of Long-Term Borrowing**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL12.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

**KSF37 Unearned Income**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL12.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF38 Estimated Liabilities**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL12.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF39 Withholdings**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL12.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF40 Other Accounts Payable**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL12.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF41 Debentures**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL15.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF42 Premium On Debentures**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL15.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSF43 Long-Term Payable**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL16.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSF44 Long-Term Loans**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL16.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSF45 Provision**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL16.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSF46 Minority Interest Equity**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL16.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSF47 Deferred Liabilities**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL16.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSF48 Common Stock**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL18.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

---

**KSF49 Preferred Stock**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL18.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF50 Capital Surplus**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL20.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF51 Legal Reserve**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL20.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF52 Other Reserve**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BAL20.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF53 Interest Income**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under INC6.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSF54 Dividend Income**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under INC6.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSF55 Non-Operating Income**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under INC6.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSF56 Interest & Discount Expense**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under INC6.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSF57 Non-Operating Expenses**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under INC6.  
2. It represents expenses resulting from secondary activities of the company.  
3. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

---

**KSF58 Extraordinary Gains**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under INC8.  
2. It represents infrequent and unusual gains.  
3. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

---

**KSF59 Extraordinary Losses**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under INC8.  
2. It represents infrequent and unusual losses.  
3. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

---

**KSFB1 Cash On Hand**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB1.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

---

**KSFB2 Due From Banks**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB1.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSFB3 Due From Banks In Foreign Currency**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB1.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSFB4 Foreign Exchange**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB1.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSFB5 Monetary Stabilization Bond**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB2.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSFB6 Government Bonds**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB2.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

**KSFB7 Stocks**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB2.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSFB8 Corporation Bonds**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB2.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSFB9 Securities**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB2.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSFB10 Loans**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB3.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

---

**KSFB11 Domestic Usance Bill**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB3.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSFB12 Guarantee Payments**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB3.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

---

**KSFB13 Call Loans**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB3.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSFB14      Securities Purchased Under Receivable**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB3.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

**KSFB15      Factoring Receivable**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB3.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

**KSFB16      Local L/C Purchased**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB3.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

**KSFB17      Accounts Receivable From Disposal of Assets**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB3.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

**KSFB18      Securities Loans**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB5.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

**KSFB19      Agents**

DATA TYPE:    Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB5.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSFB20 Credit Card Account**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB5.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

---

**KSFB21 Contra Account of Acceptances**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB5.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSFB22 Deferred Income Tax Debts**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB5.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSFB23 Other Assets**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB5.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSFB24 Deferred Charged**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB5.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSFB25 Deferred Loss From Foreign Exchange**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB5.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSFB26 Deferred Loss From Foreign Forward Exchange**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB5.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSFB27 Due From Head Office & Branch**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB5.  
2. Unit of measurement is thousands of Won

FOUND IN: Financial Statements File (Korea)

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**KSFB28 Banker's Acceptance**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB7.  
2. Unit of measurement is thousand of Won.

FOUND IN: Financial Statements File (Korea)

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**KSFB29 Acceptances & Guarantees**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB7.  
2. Unit of measurement is thousands of won

FOUND IN: Financial Statements File (Korea)

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**KSFB30 Factoring Payable**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB7.  
2. Unit of measurement is thousand of Won

FOUND IN: Financial Statements File (Korea)

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**KSFB31 Installment Payments Received**

DATA TYPE: Numeric                      LENGTH: 11                      DECIMALS: 0                      MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB8.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSFB32      Borrowing**

DATA TYPE:    Numeric                      LENGTH: 11              DECIMALS: 0              MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB8.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSFB33      Security Deposits for Foreign**

DATA TYPE:    Numeric                      LENGTH: 11              DECIMALS: 0              MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB8.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSFB34      Deposits for Letter of Guarantees & OT**

DATA TYPE:    Numeric                      LENGTH: 11              DECIMALS: 0              MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB8.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSFB35      Borrowing From Trust Accounts**

DATA TYPE:    Numeric                      LENGTH: 11              DECIMALS: 0              MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB8.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSFB36      Withholding**

DATA TYPE:    Numeric                      LENGTH: 11              DECIMALS: 0              MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB8.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

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**KSFB37      Other Liabilities**

DATA TYPE:    Numeric                      LENGTH: 11              DECIMALS: 0              MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB9.  
2. Unit of measurement is thousands of Won.

FOUND IN:      Financial Statements File (Korea)

**KSFB38 Giro Accounts**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB9.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSFB39 Deferred Gain From Foreign Exchange**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB9.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSFB40 Allowance & Accrued Expenses**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB9.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSFB41 Deferred Gain From Foreign Forward Exchange**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB9.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSFB42 Due To Head Office & Branch**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB9.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSFB43 Due To Agency**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB9.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSFB44 Foreign Exchange**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB9.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSFB45 Financing Bonds Issued**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB9.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSFB46 Securities Sold Under Repurchase**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB9.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSFB47 Call Money**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB9.  
2. Unit of measurement is thousand of Won.FOUND IN: Financial Statements File (Korea)

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**KSFB48 Common Stock**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB11.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSFB49 Preferred Stock**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB11.  
2. Unit of measurement is thousands of Won.FOUND IN: Financial Statements File (Korea)

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**KSFB50 New Stock Subscriptions**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB12.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSFB51 Capital Surplus**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB12.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSFB52 Retained Earnings**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB12.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSFB53 Capital Adjustment**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under BALB12.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSFB54 Non-Operating Income**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under INCB4.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSFB55 Non-Operating Expenses**

DATA TYPE: Numeric                   LENGTH: 11                   DECIMALS: 0                   MISSING VALUE: See Appendix A

DESCRIPTION: 1. Item is only applicable to Korean database and grouped under INCB4.  
2. Unit of measurement is thousands of Won.

FOUND IN: Financial Statements File (Korea)

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**KSM1**      **Won per U.S. Dollar**

DATA TYPE:    Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE: -9999

DESCRIPTION:    1. Item is only applicable to Korean database.  
                    2. It is the Bank of Korea concentration base rate at the end of the month.  
                    3. Unit of measurement is Won per U.S. Dollar.

FOUND IN:      Key Economic Statistics File - Monthly (Korea)

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**KSM2**      **Won per U.K. Pound**

DATA TYPE:    Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE: -9999

DESCRIPTION:    1. Item is only applicable to Korean database.  
                    2. It is an arbitrated rate based on the Bank of Korea concentration base rate at the end of the month.  
                    3. Unit of measurement is Won per U.K. Pound.

FOUND IN:      Key Economic Statistics File - Monthly (Korea)

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**KSM3**      **Won per Deutsche Mark**

DATA TYPE:    Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE: -9999

DESCRIPTION:    1. Item is only applicable to Korean database.  
                    2. It is an arbitrated rate based on the Bank of Korea concentration base rate at the end of the month.  
                    3. Unit of measurement is Won per Deutsche Mark.

FOUND IN:      Key Economic Statistics File - Monthly (Korea)

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**KSM4**      **Won per French Franc**

DATA TYPE:    Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE: -9999

DESCRIPTION:    1. Item is only applicable to Korean database.  
                    2. It is an arbitrated rate based on the Bank of Korea concentration base rate at the end of the month.  
                    3. Unit of measurement is Won per French Franc.

FOUND IN:      Key Economic Statistics File - Monthly (Korea)

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**KSM5**      **Won per Swiss Franc**

DATA TYPE:    Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE: -9999

DESCRIPTION:    1. Item is only applicable to Korean database.  
                    2. It is an arbitrated rate based on the Bank of Korea concentration base rate at the end of the month.  
                    3. Unit of measurement is Won per Swiss Franc.

FOUND IN:      Key Economic Statistics File - Monthly (Korea)



**KSM6 Won per 100 Japanese Yen**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE: -9999

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. It is an arbitrated rate based on the Bank of Korea concentration base rate at the end of the month.  
 3. Unit of measurement is Won per 100 Japanese yen.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

**KSM7 Won per Hong Kong Dollar**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE: -9999

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. It is an arbitrated rate based on the Bank of Korea concentration base rate at the end of the month.  
 3. Unit of measurement is Won per Hong Kong Dollar.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

**KSM21 Interest Rate on Loans of Deposit Money Banks - Maximum**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 4                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. It is the maximum interest rate observed on loans of general funds up to one year for general enterprises at the end of the month.  
 3. Unit of measurement is percent per annum.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

Note: The data is not available after June 1996.

**KSM22 Interest Rate on Loans of Deposit Money Banks – Minimum & Average Weighted**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 4                      MISSING VALUE: -99

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. It is the minimum & average weighted interest rate observed on loans of general funds up to one year for general enterprises at the end of the month.  
 3. Unit of measurement is percent per annum.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

Note: The minimum interest rate is not available after June 1996.

**KSM23 Interest Rate on Time Deposits at Deposit Money Banks and Average Weighted**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 4                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. It is the interest rate on time deposits for one year or more at the end of the month.  
 3. Unit of measurement is percent per annum.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

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**KSM24 Yield on Corporate Bonds**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 4                      MISSING VALUE: -99

DESCRIPTION: 

1. Item is only applicable to Korean database.
2. It is the composite rate for corporate bonds.
3. Since 1986, values represent arithmetic averages of yields determined in every transaction during the month.
4. Unit of measurement is percent per annum.

FOUND IN:              Key Economic Statistics File - Monthly (Korea)

Note: The data is no longer exist since 1992.

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**KSM25 Yield on Government Compound Bonds - Less Than One Year**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 4                      MISSING VALUE: -99

DESCRIPTION: 

1. Item is only applicable to Korean database.
2. It is the yield on government compound bonds with maturity of less than one year.
3. Unit of measurement is percent per annum.

FOUND IN:              Key Economic Statistics File - Monthly (Korea)

Note: The data is no longer exist since 1992.

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**KSM26 Yield on Government Compound Bonds - 1 to 3 Years**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 4                      MISSING VALUE: -99

DESCRIPTION: 

1. Item is only applicable to Korean database.
2. It is the yield on government compound bonds with maturity of 1 to 3 years.
3. Unit of measurement is percent per annum.

FOUND IN:              Key Economic Statistics File - Monthly (Korea)

Note: The data is no longer exist since 1992.

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**KSM27 Yield on Government Compound Bonds - 3 to 5 Years**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 4                      MISSING VALUE: -99

DESCRIPTION: 

1. Item is only applicable to Korean database.
2. It is the yield on government compound bonds with maturity of 3 to 5 years.
3. Unit of measurement is percent per annum.

FOUND IN:              Key Economic Statistics File - Monthly (Korea)

Note: The data is no longer exist since 1992.

**KSM41 Bank Notes and Coins Issued**

DATA TYPE: Numeric                      LENGTH: 8                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. Both values at the end of the month and the month's average are available.  
 3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

**KSM42 Currency in Circulation**

DATA TYPE: Numeric                      LENGTH: 8                      DECIMALS: 1                      MISSING VALUE: -999999

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. It is the total of notes and coins less cash in deposit money banks at the end of the month.  
 3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

**KSM43 Money Supply - M1**

DATA TYPE: Numeric                      LENGTH: 8                      DECIMALS: 1                      MISSING VALUE: -999999

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. It includes currency in circulation and demand deposits at monetary institutions.  
 3. Both values at the end of the month and the month's average are available.  
 4. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

**KSM44 Money Supply - M2A**

DATA TYPE: Numeric                      LENGTH: 8                      DECIMALS: 1                      MISSING VALUE: -999999

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. It includes M1, short-term time and savings deposits and resident's foreign currency deposits.  
 3. Both values at the end of the month and the month's average are available.  
 4. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

**KSM45 Money Supply - M2**

DATA TYPE: Numeric                      LENGTH: 8                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. It includes M2A plus long-term time and savings deposits.  
 3. Both values at the end of the month and the month's average are available.  
 4. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

**KSM46 Money Supply - M3**

DATA TYPE: Numeric                      LENGTH: 8                      DECIMALS: 1                      MISSING VALUE: -999999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. It includes the total of M2, other financial institution deposits, debentures issued, commercial bills sold, CD, and RP at the end of the month.  
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

---

**KSM47 Reserve Money (Monetary Base)**

DATA TYPE: Numeric                      LENGTH: 8                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. It is the sum of bank notes and coins issued plus reserve deposits of deposit money banks. Before March 1986, the value includes commemorative coins issued.  
3. Both values at the end of the month and the month's average are available.  
4. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

---

**KSM48 Reserves Deposit of Deposit Money Banks**

DATA TYPE: Numeric                      LENGTH: 8                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable for Korea.  
2. Value given is an average of daily figures during the month.  
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

---

**KSM49 Bank of Korea Loans and Discounts to Deposit Money Banks**

DATA TYPE: Numeric                      LENGTH: 8                      DECIMALS: 1                      MISSING VALUE: -999999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

---

**KSM61 Wholesale Price Index, All Commodities**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. The index uses base period 1985 = 100, 1990 = 100, & 1995 = 100.  
3. It is calculated by a modified Laspeyres formula. The weight universe covers all commodities. It includes imported goods traded in domestic markets and excludes exports. The sample used in calculating the index contains 867 commodities. Price data are generally collected in the sixteen major cities including Seoul. Some price data, however, are collected in those cities where transactions of the specified commodities are considerable.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

---

**KSM62 Consumer Price Index, All Cities**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. The index uses base period 1985 = 100, 1990 = 100, & 1995 = 100.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

**KSM63 Import Price Index, All Commodities**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. The index uses base period 1985 = 100, 1990 = 100, & 1995 = 100.  
3. 178 items are adopted for the index; the prices surveyed are contract prices (CIF) in U.S. Dollar terms.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

**KSM64 Export Price Index, All Commodities**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. The index uses base period 1985 = 100, 1990 = 100, & 1995 = 100.  
3. 233 items are adopted for this index. The prices surveyed are contract prices (FOB) in U.S. Dollar terms.

FOUND IN: Key Economic Statistics File - Monthly (Korea)

**KSM71 Total Government Revenue**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. It is the sum of tax receipts (includes receipts from internal taxes, customs duties, defense surtax, education surtax, monopoly profits), contributions from government enterprise, and other sources.  
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Monthly (Korea)  
Note: Old format of presentation from 1975 to 2000

**KSM72 Tax Receipts**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. It includes revenue from internal taxes (income tax, corporation tax, value added tax, specific commodity tax, liquor tax and others) customs duties, defense surtax, education surtax, monopoly profits.  
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Monthly (Korea)  
Note: Old format of presentation from 1975 to 2000

**KSM73 Total Government Expenditure**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. Value includes expenditures for national defense, general expenditures, fixed capital formation, other expenditures, and net lending.  
 3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Monthly (Korea)  
 Note: Old format of presentation from 1975 to 2000

**KSM74 Total Government Revenue**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. It is the sum of tax receipts (includes receipts from internal taxes, customs duties, defense surtax, education surtax, monopoly profits), contributions from government enterprise, and other sources.  
 3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Monthly (Korea)  
 Note: New format of presentation from 2001 to present

**KSM75 Tax Receipts**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. It includes revenue from internal taxes (income tax, corporation tax, value added tax, specific commodity tax, liquor tax and others) customs duties, defense surtax, education surtax, monopoly profits.  
 3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Monthly (Korea)  
 Note: New format of presentation from 2001 to present

**KSM76 Total Government Expenditure**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 0                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. Value includes expenditures for national defense, general expenditures, fixed capital formation, other expenditures, and net lending.  
 3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Monthly (Korea)  
 Note: New format of presentation from 2001 to present

**KSY1 Wholesale Price Index, All Commodities**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. The index uses base period 1985 = 100, 1990 = 100, & 1995 = 100.  
 3. See KSM61 for definition.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY2 Consumer Price Index, All Cities**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. The index uses base period 1985 = 100, 1990 = 100, & 1995 = 100.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY3 Import Price Index, All Commodities**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. The index uses base period 1985 = 100, 1990 = 100, & 1995 = 100.  
3. See KSM63 for definition.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY4 Export Price Index, All Commodities**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. The index uses base period 1985 = 100, 1990 = 100, & 1995 = 100.  
3. See KSM64 for definition.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY21 Trade Balance**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. It is the net amount of merchandise exports less merchandise imports.  
3. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after January 1998.

**KSY22 Invisible Trade Balance**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. It is the net value of shipment, other transportation, travel, investment, income, and other goods, services, and income.  
3. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after January 1998.

---

**KSY23 Unrequited Transfers (net)**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after January 1998.

---

**KSY24 Current Account**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. It is the sum of the trade balance, the invisible trade balance, and net unrequited transfers.  
3. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after January 1998.

---

**KSY25 Long-Term Capital**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. It represents investments with original maturity of more than one year.  
3. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after January 1998.

---

**KSY26 Basic Balance**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. It is the sum of the current balance and long-term capital.  
3. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after January 1998.

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**KSY27 Short-Term Capital**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. It represents investments with original maturity of less than one year.  
3. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after January 1998.

---



**KSY28 Overall Balance**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. It is the amount of the basic balance, short-term capital, and errors and omissions.  
 3. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after January 1998.

**KSY31 Goods**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY32 Services**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
 3. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY33 Goods & Services**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. It is the total amount of the goods and services  
 3. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY34 Income**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY35 Current Transfer**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
 2. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY36 Financial Account**

DATA TYPE: Numeric LENGTH: 7 DECIMALS: 1 MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY37 Capital Account**

DATA TYPE: Numeric LENGTH: 7 DECIMALS: 1 MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY38 Financial & Capital Account**

DATA TYPE: Numeric LENGTH: 7 DECIMALS: 1 MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. It is total amount of financial and capital account.  
3. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY39 Current Account**

DATA TYPE: Numeric LENGTH: 7 DECIMALS: 1 MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. It is total amount of good & service account, income, current transfer, and financial & capital account.  
3. Unit of measurement is millions of U.S. Dollars.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY41 Gross Domestic Product**

DATA TYPE: Numeric LENGTH: 7 DECIMALS: 1 MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Values at current prices, and 1985, 1990, and 1995 constant prices are available.  
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY42 Trading Gains and Losses from Changes in the Term of Trade**

DATA TYPE: Numeric LENGTH: 7 DECIMALS: 1 MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY40 Gross Domestic Income**

---

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

---

**KSY44                      Net Factor Income from the Rest of the World**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Values at current prices, and 1985, 1990, and 1995 constant prices are available.  
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

---

**KSY45                      Gross National Product**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. It is defined as gross domestic product plus net factor income from the rest of the world.  
3. Values at current prices, and 1985 & 1990 constant prices are available.  
4. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after 1997.

---

**KSY46                      Gross National Income**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

---

**KSY47                      Consumption of Fixed Capital**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Values are at current prices.  
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after 1992.

---

**KSY48 Net National Product at Market Prices**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. It is defined as GNP less consumption of fixed capital.  
3. Values are at current prices.  
4. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after 1992.

**KSY49 Indirect Taxes**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Values are at current prices.  
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after 1992.

**KSY50 Subsidies**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Values are at current prices.  
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after 1992.

**KSY51 Net National Product at Factor Cost**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. It is the net amount of net national income at market prices, plus subsidies, less indirect taxes.  
3. Values are at current prices.  
4. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after 1992.

**KSY52 Compensation of Employees**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Values are at current prices.  
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after 1992.

**KSY53      Operating Surplus**

DATA TYPE:    Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Values are at current prices.  
3. Unit of measurement is billions of Won.

FOUND IN:      Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after 1992.

**KSY54      Government Final Consumption Expenditure**

DATA TYPE:    Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Values at current prices, and 1985 & 1990 constant prices are available.  
3. Unit of measurement is billions of Won.

FOUND IN:      Key Economic Statistics File - Yearly (Korea)

**KSY55      Private Final Consumption Expenditure**

DATA TYPE:    Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Values at current prices, and 1985 & 1990 constant prices are available.  
3. Unit of measurement is billions of Won.

FOUND IN:      Key Economic Statistics File - Yearly (Korea)

**KSY56      Increase in Stocks**

DATA TYPE:    Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Values at current prices, and 1985 & 1990 constant prices are available.  
3. Unit of measurement is billions of Won.

FOUND IN:      Key Economic Statistics File - Yearly (Korea)

Note: The data is not available after 1998.

**KSY57      Gross Fixed Capital Formation**

DATA TYPE:    Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Values at current prices, and 1985, 1990, & 1995 constant prices are available.  
3. Unit of measurement is billions of Won.

FOUND IN:      Key Economic Statistics File - Yearly (Korea)

---

**KSY58 Exports of Goods and Services**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 

1. Item is only applicable to Korean database.
2. Values at current prices, and 1985, 1990, & 1995 constant prices are available.
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

---

**KSY59 Imports of Goods and Services**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 

1. Item is only applicable to Korean database.
2. Values at current prices, and 1985, 1990, & 1995 constant prices are available.
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

---

**KSY60 Statistical Discrepancy**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 

1. Item is only applicable to Korean database.
2. Values at current prices, and 1985, 1990, & 1995 constant prices are available.
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

---

**KSY61 Compensation of Employees from the Rest of the World**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 

1. Item is only applicable to Korean database.
2. Values are at current prices.
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data id not available after 1992.

---

**KSY62 Property and Entrepreneurial Income from the Rest of the World**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 

1. Item is only applicable to Korean database.
2. Values are at current prices.
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data id not available after 1992.

**KSY63 Current Transfers from the Rest of the World**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Values are at current prices.  
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data id not available after 1992.

**KSY64 Savings**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Values are at current prices.  
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data id not available after 1992.

**KSY65 National Disposable Income**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Values are at current prices.  
3. Unit of measurement is billions of Won.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

Note: The data id not available after 1992.

**KSY71 Labor Force Employed**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 1                      MISSING VALUE: -99999

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Value given is the average of twelve months. The figures include the self-employed, family workers, permanent employees, and day workers. Soldiers, combatant police, defense corps, and prisoners are not included in the total. Before 1982 annual data are the average of 4 months (March, June, September, and December).  
3. Unit of measurement is thousands of persons.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

**KSY72 Unemployment Rate**

DATA TYPE: Numeric                      LENGTH: 7                      DECIMALS: 2                      MISSING VALUE:

DESCRIPTION: 1. Item is only applicable to Korean database.  
2. Unit of measurement is percent per annum.

FOUND IN: Key Economic Statistics File - Yearly (Korea)

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# **DATA ACCESS**

**DATA TAPE LAYOUT**

Every country's database contains the following 13 (or 14) files:

- Hong Kong**
- Indonesia**
- Japan**
- Malaysia**
- Singapore**
- Taiwan**
- Thailand    Korea**

<u>File No</u>	<u>File No</u>	<u>File Name</u>
0001	0001	Company File
0002	0002	Daily Exchange Rate File
0003	0003	Key Economic Statistics File - Monthly
0004	0004	Key Economic Statistics File - Quarterly (for Japan) or Yearly (for all other countries)
0005	0005	Calendar File
0006	0006	Financial Statements File - Industrial Companies
0007		Financial Statements File - Financial Companies
0008	0007	Capital Distributions File
0009	0008	Monthly Market Returns File
0010	0009	Monthly Indices File
0011	0010	Daily Market Returns File
0012	0011	Daily Indices File
0013	0012	Monthly Stock Price and Returns File
0014	0013	Daily Stock Price and Returns File

For all countries except Japan and Korea, all files are stored on one tape in the sequence of the file numbers. For Japan, the first 12 files are stored on one tape while the Daily Stock Price and Returns File is divided and stored on five tapes. For Korea, the first 12 files together with Part 1 of the Daily Stock Price & Returns File are stored on the first tape while Part 2 of the Daily Stock Price & Returns File is stored on the second tape.

*For Japan, the arrangement of data on tapes is described on page 3.JA.1.*

*For Korea, the arrangement of data on tapes is described on page 3.KS.1.*

**TAPE CHARACTERISTICS**

Tables containing the tape characteristics of each country are shown on the following pages:

<u>Country</u>	<u>Page Number</u>
Hong Kong	3.HK.1
Indonesia	3.IN.1
Japan	3.JA.1
Korea	3.KS.1
Malaysia	3.MY.1
Singapore	3.SN.1
Thailand	3.TH.1
Taiwan	3.TW.1

**DATA RETRIEVAL**

This chapter contains 14 sample FORTRAN/SAS programs. Each program reads and prints the contents of one PACAP file. The programs that are standard for all countries are shown at the beginning of the chapter. The programs that are applicable only to specific countries are shown at the end of the chapter following the page containing the tape characteristics of each country.

**FORTRAN Retrieval Program 1****(For Company File of all countries except Hong Kong)***For Hong Kong, see section for Hong Kong at the end of this chapter.**For Singapore, see section for Singapore at the end of this chapter*

```

C  ** PROGRAM NAME: STDCOMP
C  ** FILE           : COMPANY FILE
C  ** READS FILE; PRINTS THE FILE AS 3 SEPARATE OUTPUTS

      CHARACTER COID*6, CONAME*50, INDNME*50, STATCO*1, CRID*6, COMMNT*100
      CHARACTER STKTYP*1, PICCUR*3, PARCUR*3
      INTEGER CUNTRY, INDID, DTESTB, DTLIST, DTAVAL, PICAP, SECTID, DTSTAT
      INTEGER CHOICE, COUNT, I
      REAL     PARVAL

      COUNT = 0
      DO 10 I = 1, 10000000
        READ (1, 101, END=950) CUNTRY, COID, CONAME, STKTYP, INDID, INDNME,
1         DTESTB, DTLIST, DTAVAL, PICCUR, PICAP, PARCUR, PARVAL, SECTID, STATCO,
2         CRID, DTSTAT, COMMNT
        WRITE (2, 102) CUNTRY, COID, STKTYP, CONAME, INDID, INDNME, STATCO
        WRITE (3, 103) CUNTRY, COID, STKTYP, CONAME, DTESTB, DTLIST, DTAVAL,
1         PICCUR, PICAP, PARCUR, PARVAL, SECTID
        WRITE (4, 104) CUNTRY, COID, STKTYP, STATCO, CRID, DTSTAT, COMMNT
        COUNT = COUNT + 1

10     CONTINUE
950    WRITE (2, 105) COUNT
101    FORMAT (I2, A6, A50, A1, I4, A50, 3I8, A3, I10, A3, F8.2, I1, A1, A6, I8, A100)
102    FORMAT (I2, 1X, A6, 1X, A1, 1X, A50, 1X, I4, 1X, A50, 1X, A1)
103    FORMAT (I2, 1X, A6, 1X, A1, 1X, A50, 1X, 3 (I8, 1X), A3, 1X, I10, 1X, A3, 1X,
1         F9.2, 1X, I1)
104    FORMAT (I2, 1X, A6, 1X, A1, 1X, A1, 1X, A6, 1X, I8, 1X, A100)
105    FORMAT ('# OF COMPANIES ', I10)
      END

```

**FORTRAN Retrieval Program 2****(For Daily Exchange Rate File of all countries)**

```

C  ** PROGRAM NAME: STDEXC
C  ** FILE           : DAILY EXCHANGE RATE FILE
C  ** READS FILE; PRINTS ENTIRE FILE

      INTEGER CUNTRY, DTCAL, WKDAY
      REAL XRATE

      WRITE (2, 103)
      DO 10 I = 1, 100000
        READ (1, 101, END=950) CUNTRY, DTTRD, WKDAY, XRATE
        WRITE (2, 102) CUNTRY, DTTRD, WKDAY, XRATE

10     CONTINUE
950    STOP
101    FORMAT (I2, I8, I1, F9.4)
102    FORMAT (5X, I2, 1X, I8, 2X, I1, 2X, F10.4)
103    FORMAT (5X, 'DAILY EXCHANGE RATE FILE '//
1         'COUNTRY  DATE  DAY  RATE  '/')
      END

```

**FORTTRAN Retrieval Program 3  
(For Key Economic Statistics File - Monthly)**

The structure of this file differs by country. Different sample retrieval programs are provided for individual country according to the specific file structure. *See sections for specific countries at the end of this chapter.*

**FORTTRAN Retrieval Program 4  
(For Key Economic Statistics File - Quarterly/Yearly)**

The structure of this file differs by country. Different sample retrieval programs are provided for individual country according to the specific file structure. *See sections for specific countries at the end of this chapter.*

**FORTTRAN Retrieval Program 5  
(For Calendar File of all countries)**

```
C  ** PROGRAM NAME: STDCAL
C  ** FILE           : CALENDAR FILE
C  ** READS FILE; PRINTS ENTIRE FILE TO DISK

      CHARACTER STATSE*1
      INTEGER CUNTRY, DTCAL, WKDAY

      WRITE (2, 103)
      DO 10 I = 1, 100000
         READ (1, 101, END=950) CUNTRY, DTCAL, WKDAY, STATSE
         WRITE (2, 102) CUNTRY, DTCAL, WKDAY, STATSE

      10 CONTINUE
      950 STOP
      101 FORMAT (I2, I8, I1, A1)
      102 FORMAT (5X, I2, 1X, I8, 2X, I1, 2X, A1)
      103 FORMAT (5X, 'CALENDAR FILE  '//
      1 'CUNTRY  DATE  DAY  STATUS' '/')
      END
```

**FORTTRAN Retrieval Program 6  
(For Financial Statements File - Industrial Companies)**

The structure of this file differs by country. Different sample retrieval programs are provided for individual country according to the specific file structure. *See sections for specific countries at the end of this chapter.*

**FORTTRAN Retrieval Program 7  
(For Financial Statements File - Financial Companies)**

This file is not available for Korea. For other countries, different sample retrieval programs are provided for individual country according to the specific file structure. *See sections for specific countries at the end of this chapter.*

**FORTRAN Retrieval Program 8****(For Capital Distributions File of all countries except Hong Kong)***For Hong Kong, see section for Hong Kong at the end of this chapter.*

```

C ** PROGRAM NAME: STDDIST
C ** FILE          : CAPITAL DISTRIBUTION FILE
C ** READS FILE; PRINTS ENTIRE FILE

      CHARACTER COID*6, DISTYP*2
      INTEGER CUNTRY, STKTYP, DTANNO, DTEXDI, DTPAY, COUNT
      REAL AMOUNT, SUBPRC

      WRITE(2,104)
      COUNT = 0
      DO 10 I = 1,10000000
        READ(1,101,END=950) CUNTRY, COID, STKTYP, DISTYP, DTANNO,
1       DTEXDI, DTPAY, AMOUNT, SUBPRC
        WRITE(2,102) CUNTRY, COID, STKTYP, DISTYP, DTANNO, DTEXDI, DTPAY,
1       AMOUNT, SUBPRC
        COUNT = COUNT + 1

10 CONTINUE
950 WRITE(2,103) COUNT
101 FORMAT(I2,A6,I1,A2,3I8,F12.6,F8.2)
102 FORMAT(I2,1X,A6,1X,I1,1X,A2,1X,3(I8,1X),F13.6,F9.2)
103 FORMAT('# OF RECORDS IN CAPITAL DISTRIBUTION FILE ', I7)
104 FORMAT('CAPITAL DISTRIBUTION FILE '/')
      END

```

**FORTRAN Retrieval Program 9****(For Monthly Market Returns File of all countries)**

```

C ** PROGRAM NAME: STDMMR
C ** FILE          : MONTHLY MARKET RETURNS FILE
C ** READ FILE; PRINTS ENTIRE FILE

      INTEGER CUNTRY, MONTH, CNTDAY, CNTCO, MKTCAP, COUNT, I
      REAL*16 TRDVOL, TRDVAL, MERMWD, MERMND, MVRMWD, MVRMND

      WRITE(2,103)
      COUNT = 0
      DO 10 I = 1,10000000
        READ(1,101,END=950) CUNTRY, MONTH, CNTDAY, TRDVOL, TRDVAL, MERMWD,
1       MERMND, MVRMWD, MVRMND, CNTCO, MKTCAP
        WRITE(2,102) CUNTRY, MONTH, CNTDAY, TRDVOL, TRDVAL, MERMWD, MERMND,
1       MVRMWD, MVRMND, CNTCO, MKTCAP
        COUNT = COUNT + 1

10 CONTINUE
950 WRITE(2,104) COUNT
101 FORMAT(I2,I6,I2,2F10.0,4F10.6,I4,I10)
102 FORMAT(5X,I2,1X,I6,2X,I2,1X,2F12.1,4F11.6,2X,I4,1X,I10)
103 FORMAT(5X,'MONTHLY MARKET RETURNS '//
1 'COUNTRY  DATE  #DAYS      TRDVOL      TRDVAL      MERMWD',
2 'MERMND      MVRMWD      MVRMND      #COMP  MKTCAP'//)
104 FORMAT('# OF RECORDS IN MONTHLY MARKET RETURNS FILE ', I6)
      END

```

**FORTTRAN Retrieval Program 10**  
**(For Monthly Indices File of all countries)**

```

C  ** PROGRAM NAME:  STDMIF
C  ** FILE           :  MONTHLY INDICES FILE
C  ** READS FILE;   PRINTS ENTIRE FILE

      CHARACTER IDNXME*50
      INTEGER CUNTRY,IDXID,MONTH,FSTDAY,HIDAY,LODAY,LSTDAY,COUNT
      REAL FSTVAL,HIVAL,LOVAL,LSTVAL

      COUNT = 0
      DO 10 I = 1,10000
        READ(1,101,END=950) CUNTRY,IDXID,MONTH,IDXNME,FSTVAL,FSTDAY,
1       HIVAL,HIDAY,LOVAL,LODAY,LSTVAL,LSTDAY
        WRITE(2,102) CUNTRY,IDXID,MONTH,IDXNME,FSTVAL,FSTDAY,HIVAL,HIDAY,
1       LOVAL,LODAY,LSTVAL,LSTDAY
        COUNT = COUNT + 1

10  CONTINUE
950 WRITE(2,103) COUNT
101 FORMAT(I2,I4,I6,A50,4(F7.2,I2))
102 FORMAT(I2,1X,I4,1X,I6,1X,A50,4(1X,F8.2,1X,I2))
103 FORMAT('# OF RECORDS IN MONTHLY INDICES FILE ',I8)
      END

```

**FORTTRAN Retrieval Program 11**  
**(For Daily Market Returns File of all countries)**

```

C  ** PROGRAM NAME:  STDDMR
C  ** FILE           :  DAILY MARKET RETURNS FILE
C  ** READS FILE;   PRINTS ENTIRE FILE

      INTEGER CUNTRY,DTTRD,WKDAY,CNTCO,COUNT,I
      REAL*16 TRDVOL,TRDVAL,DERMND,DERMWD,DVRMWD,DVRMND

      WRITE(2,104)
      COUNT = 0
      DO 10 I = 1,10000000
        READ(1,101,END=950) CUNTRY,DTTRD,WKDAY,TRDVOL,TRDVAL,DERMWD,
1       DERMND,DVRMWD,DVRMND,CNTCO
        WRITE(2,102) CUNTRY,DTTRD,WKDAY,TRDVOL,TRDVAL,DERMWD,DERMND,
1       DVRMWD,DVRMND,CNTCO
        COUNT = COUNT + 1

10  CONTINUE
950 WRITE(2,103) COUNT
101 FORMAT(I2,I8,I1,2F10.0,4F10.6,I4)
102 FORMAT(I2,1X,I8,1X,I1,2F12.1,4F12.6,1X,I4)
103 FORMAT('NUMBER OF RECORDS IN DMR FILE ',I10)
104 FORMAT('DAILY MARKET RETURNS FILE '/')
      END

```

**FORTRAN Retrieval Program 12**  
**(For Daily Indices File of all countries)**

```

C ** PROGRAM NAME: STDDIF
C ** FILE          : DAILY INDICES FILE
C ** READS FILE; PRINTS ENTIRE FILE

      INTEGER CUNTRY,IDXID,DTTRD,WKDAY,COUNT
      REAL  IDXVAL

      COUNT = 0
      DO 10 I = 1,1000000
        READ(1,101,END=950) CUNTRY,IDXID,DTTRD,WKDAY,IDXVAL
        WRITE(2,102) CUNTRY,IDXID,DTTRD,WKDAY,IDXVAL
        COUNT = COUNT + 1

10  CONTINUE
950 WRITE(2,103) COUNT
100 FORMAT(10X,'DAILY INDICES FILE  '/')
101 FORMAT(I2,I4,I8,I1,F7.2)
102 FORMAT(I2,1X,I4,1X,I8,1X,I1,1X,F8.2)
103 FORMAT('# TOTAL RECORDS ON FILE ',I7)
      END

```

**FORTRAN Retrieval Program 13**  
**(For Monthly Stock Price and Returns File of Taiwan and Thailand)**

*For Hong Kong, Japan, Korea, Malaysia and Singapore see sections for the specific countries at the end of this chapter.*

```

C ** PROGRAM NAME: STDMRF
C ** FILE          : MONTHLY RETURNS FILE
C ** READS FILE; PRINTS ENTIRE FILE

      CHARACTER*6 COID
      INTEGER CUNTRY,STKTYP,MONTH,SECTID,INDID,OPNDAY,CLSDAY,TRDVOL
      INTEGER TRDVAL,SHROUT,CNTTRD,MKTVAL,MV,COUNT,I
      REAL  MRETWD,MRETND,OPNPRC,CLSPRC,MADJCD,MADJLD

      COUNT = 0
      DO 10 I = 1,10000000
        READ(1,101,END=950) CUNTRY,COID,STKTYP,MONTH,SECTID,INDID,
1  OPNPRC,OPNDAY,CLSPRC,CLSDAY,TRDVOL,TRDVAL,SHROUT,MKTVAL,
2  CNTTRD,MRETWD,MRETND,MADJCD,MADJLD
        COUNT = COUNT + 1
        WRITE(2,102) CUNTRY,COID,STKTYP,MONTH,SECTID,INDID,
1  OPNPRC,OPNDAY,CLSPRC,CLSDAY,TRDVOL,TRDVAL,SHROUT,MKTVAL,
2  CNTTRD,MRETWD,MRETND,MADJCD,MADJLD

10  CONTINUE
950 WRITE(2,103) COUNT
101 FORMAT(I2,A6,I1,I6,I1,I4,2(F8.2,I2),I10,I10,I8,I10,I2,4F10.6)
102 FORMAT(I2,1X,A6,1X,I1,1X,I6,1X,I1,1X,I4,1X,2(F9.2,1X,I2,1X),I10,
1  1X,I10,1X,I10,1X,I10,1X,I2,4F12.6)
103 FORMAT('# OF RECORDS IN MRF FILE ',I10)
      END

```



**FORTRAN Retrieval Program 14****(For Daily Stock Price and Returns File of Taiwan and Thailand)**

*For Hong Kong, Japan, Korea, Malaysia and Singapore, see sections for the specific countries at the end of this chapter.*

```
C  ** PROGRAM NAME: STDDRF
C  ** FILE           : DAILY RETURNS FILE
C  ** READS FILE; PRINTS FIRST 1000 RECORDS

      CHARACTER COID*6
      INTEGER COUNTRY, STKTYP, DTTRD, SECTID, WKDAY, TRDVOL, TRDVAL, COUNT
      INTEGER INDID
      REAL OPNPRC, HIPRC, LOPRC, CLSPRC, DRETWD, DRETND, ACCADJ

      COUNT = 0
      DO 10 I = 1, 1000000
        READ(1, 101, END=950) COUNTRY, COID, STKTYP, DTTRD, SECTID, WKDAY,
1      INDID, OPNPRC, HIPRC, LOPRC, CLSPRC, TRDVOL, TRDVAL, DRETWD, DRETND, ACCADJ
C  OUTPUTTING THE FIRST 1000 RECORDS ON FILE
        IF(COUNT .LT. 1000) THEN
          WRITE(2, 102) COUNTRY, COID, STKTYP, DTTRD, SECTID, WKDAY, INDID,
1      OPNPRC, HIPRC, LOPRC, CLSPRC, TRDVOL, TRDVAL, DRETWD, DRETND, ACCADJ
          END IF
C  COUNT IS OF ALL RECORDS ON THE FILE
        COUNT = COUNT + 1

10  CONTINUE
950  WRITE(2, 103) COUNT
101  FORMAT(I2, A6, I1, I8, 2I1, I4, 4F8.2, I10, I8, 3F10.6)
102  FORMAT(1X, I2, 1X, A6, 1X, I1, 1X, I8, 1X, 2(I1, 1X), I4, 1X, 4(F9.2, 1X),
1      I11, 1X, I9, 1X, 3(F12.6, 1X))
103  FORMAT(1X, 'TOTAL # OF RECORDS IN DRF FILE ', I10)
      END
```

**SAS Retrieval Program 1****(For Company File of all countries except Hong Kong)***For Hong Kong and Singapore, see section for Hong Kong at the end of this chapter.*

```
CMS FILEDEF COMPANY TAP1 NL 1 (RECFM FB LRECL 277 BLKSIZE 2770;
/* PROGRAM NAME: SASCOMP SAS */
/* FILE          : COMPANY (1) */

DATA;
INFILE COMPANY;
INPUT CUNTRY    1-2
      COID     $ 3-8
      CONAME   $ 9-58
      STKTYP   $ 59
      INDID    60-63
      INDNME   $ 64-113
      DTEST    $114-121
      DTLIST   $122-129
      DTAVAL   $130-137
      PICCUR   $138-140
      PICAP    141-150
      PARCUR   $151-153
      PARVAL   154-161 2
      SECTID   $162
      STATCO   $163
      CRID     $164-169
      DTSTAT   $170-177
      COMMNT   $178-277;

FORMAT PARVAL 9.2;
PROC PRINT; VAR CUNTRY COID STKTYP CONAME INDID INDNME STATCO;
PROC PRINT; VAR COID STKTYP DTEST DTLIST DTAVAL PICCUR
              PICAP PARCUR PARVAL SECTID STATCO CRID DTSTAT;
PROC PRINT; VAR COID COMMNT;
RUN;
```

**SAS Retrieval Program 2****(For Daily Exchange Rate File of all countries)**

```
CMS FILEDEF EXCHANGE TAP1 NL 2 (RECFM FB LRECL 20 BLKSIZE 2000;
/* PROGRAM NAME: SASEXC SAS */
/* FILE          : DAILY EXCHANGE RATE */

DATA;
INFILE EXCHANGE;
INPUT CUNTRY    1-2
      DTTRD     3-10
      WKDAY     11
      XRATE     12-20 4;

PROC PRINT; VAR CUNTRY DTTRD WKDAY XRATE;
FORMAT XRATE 10.4;
RUN;
```

**SAS Retrieval Program 3  
(For Key Economic Statistics File - Monthly)**

The structure of this file differs by country. Different sample retrieval programs are provided for individual country according to the specific file structure. *See sections for specific countries at the end of this chapter.*

**SAS Retrieval Program 4  
(For Key Economic Statistics File - Quarterly/Yearly)**

The structure of this file differs by country. Different sample retrieval programs are provided for individual country according to the specific file structure. *See sections for specific countries at the end of this chapter.*

**SAS Retrieval Program 5  
(For Calendar File of all countries)**

```
CMS FILEDEF CALENDAR TAP1 NL 5 (RECFM FB LRECL 12 BLKSIZE 1200;
/* PROGRAM NAME: SASCAL SAS */
/* FILE          : CALENDAR */

DATA;
INFILE CALENDAR;
INPUT COUNTRY    1-2
      DTCAL      3-10
      WKDAY      11
      STATSE $ 12 ;

PROC PRINT; VAR COUNTRY DTCAL WKDAY STATSE;
RUN;
```

**SAS Retrieval Program 6  
(For Financial Statements File - Industrial Companies)**

The structure of this file differs by country. Different sample retrieval programs are provided for individual country according to the specific file structure. *See sections for specific countries at the end of this chapter.*

**SAS Retrieval Program 7  
(For Financial Statements File - Financial Companies)**

This file is not available for Korea. For other countries, different sample retrieval programs are provided for individual country according to the specific file structure. *See sections for specific countries at the end of this chapter.*

**SAS Retrieval Program 8****(For Capital Distributions File of all countries except Hong Kong)***For Hong Kong, see section for Hong Kong at the end of this chapter.**For Korea, the file number is 7.*

```

CMS FILEDEF CPTLDIST TAP1 NL 8 (RECFM FB LRECL 55 BLKSIZE 5500;
/*                                     */
/* PROGRAM NAME: SASDIST SAS          */
/* FILE           : CAPITAL DISTRIBUTION */
/*                                     */

DATA;
INFILE CPTLDIST;
INPUT COUNTRY 1-2
      COID $ 3-8
      STKTYP 9
      DISTYP $ 10-11
      DTANNO 12-19
      DTEXDI 20-27
      DTPAY 28-35
      AMOUNT 36-47 6
      SUBPRC 48-55 2 ;

PROC PRINT; VAR COUNTRY COID STKTYP DISTYP DTANNO
              DTEXDI DTPAY AMOUNT SUBPRC;
FORMAT AMOUNT 13.6 SUBPRC 9.2;
RUN;

```

**SAS Retrieval Program 9****(For Monthly Market Returns File of all countries)***For Korea, the file number is 8.*

```

CMS FILEDEF MMR TAP1 NL 9 (RECFM FB LRECL 64 BLKSIZE 6400;
/*                                     */
/* PROGRAM NAME: SASMMR SAS          */
/* FILE           : MONTHLY MARKET RETURNS */
/*                                     */

DATA;
INFILE MMR;
INPUT COUNTRY 1-2
      MONTH 3-8
      CNTDAY 9-10
      TRDVOL 11-20
      TRDVAL 21-30
      MERMWD 31-40 6
      MERMND 41-50 6
      MVRMWD 51-60 6
      MVRMND 61-70 6
      CNTCO 71-74
      MKTCAP 75-84 ;

PROC PRINT; VAR COUNTRY MONTH CNTDAY TRDVOL TRDVAL MERMWD MERMND MVRMWD
              MVRMND CNTCO MKTCAP;
FORMAT MERMWD MERMND MVRMWD MVRMND 11.6;
RUN;

```

**SAS Retrieval Program 10**  
**(For Monthly Indices File of all countries)**

*For Korea, the file number is 9.*

```

CMS FILEDEF MNTHINDX TAP1 NL 10 (RECFM FB LRECL 98 BLKSIZE 9800;

/* PROGRAM NAME: SASMIF SAS          */
/* FILE           : MONTHLY INDICES   */

DATA;
INFILE MNTHINDX;
INPUT  COUNTRY    1-2
       IDXID      3-6
       MONTH      7-12
       IDXNME $   13-62
       FSTVAL     63-69 2
       FSTDAY     70-71
       HIVAL     72-78 2
       HIDAY     79-80
       LOVAL     81-87 2
       LODAY     88-89
       LSTVAL    90-96 2
       LSTDAY    97-98;

PROC PRINT; VAR CUNTRY IDXID MONTH IDXNME FSTVAL FSTDAY
              HIVAL HIDAY LOVAL LODAY LSTVAL LSTDAY;
FORMAT FSTVAL HIVAL LOVAL LSTVAL 8.2;
RUN;

```

**SAS Retrieval Program 11**  
**(For Daily Market Returns File of all countries)**

*For Korea, the file number is 10.*

```

CMS FILEDEF DALYMKRT TAP1 NL 11 (RECFM FB LRECL 75 BLKSIZE 7500;
/* PROGRAM NAME: SASDMR SAS          */
/* FILE           : DAILY MARKET RETURNS */

DATA;
INFILE DALYMKRT;
INPUT  COUNTRY    1-2
       DTTRD      3-10
       WKDAY      11
       TRDVOL     12-21
       TRDVAL     22-31
       DERMWD     32-41 6
       DERMND     42-51 6
       DVRMWD     52-61 6
       DVRMND     62-71 6
       CNTCO     72-75 ;

PROC PRINT; VAR CUNTRY DTTRD WKDAY TRDVOL TRDVAL DERMWD DERMND
              DVRMWD DVRMND CNTCO;
FORMAT DERMWD DERMND DVRMWD DVRMND 11.6;
RUN;

```

**SAS Retrieval Program 12****(For Daily Indices File of all countries)***For Korea, the file number is 11.*

```

CMS FILEDEF DALYINDX TAP1 NL 12 (RECFM FB LRECL 22 BLKSIZE 2200;
/* PROGRAM NAME: SASDIF SAS          */
/* FILE           : DAILY INDICES     */

DATA;
INFILE DALYINDX;
INPUT  CUNTRY   1-2
       IDXID    3-6
       DTTRD    7-14
       WKDAY    15
       IDXVAL   16-22 2;

PROC PRINT; VAR CUNTRY IDXID DTTRD WKDAY IDXVAL;
FORMAT IDXVAL 8.2;
RUN;

```

**SAS Retrieval Program 13****(For Monthly Stock Price & Returns File of Taiwan and Thailand)***For Hong Kong, Japan, Korea, Malaysia and Singapore, see sections for specific countries at the end of this chapter.*

```

CMS FILEDEF MNTHRTN TAP1 NL 13 (RECFM FB LRECL 120 BLKSIZE 12000;
/* PROGRAM NAME: SASMRF SAS          */
/* FILE           : MONTHLY STOCK PRICE & RETURNS     */

DATA;
INFILE MNTHRTN;
INPUT  CUNTRY   1-2
       COID     $ 3-8
       STKTYP   9
       MONTH    10-15
       SECTID   16
       INDID    17-20
       OPNPRC   21-28 2
       OPNDAY   29-30
       CLSPRC   31-38 2
       CLSDAY   39-40
       TRDVOL   41-50
       TRDVAL   51-60
       SHRROUT  61-68
       MKTVAL   69-78
       CNTTRD   79-80
       MRETWD   81-90 6
       MRETND   91-100 6
       MADJCD   101-110 6
       MADJLD   111-120 6;

PROC PRINT; VAR CUNTRY COID STKTYP MONTH OPNPRC OPNDAY CLSPRC CLSDAY TRDVOL
              TRDVAL SHRROUT MKTVAL CNTTRD MRETWD MRETND MADJCD MADJLD;
FORMAT OPNPRC CLSPRC 9.2 MRETWD MRETND MADJCD MADJLD 11.6;
RUN;

```

**SAS Retrieval Program 14**  
**(For Daily Stock Price & Returns File of Taiwan and Thailand)**

*For Hong Kong, Japan, Korea, Malaysia and Singapore, see sections for specific countries at the end of this chapter.*

```
CMS FILEDEF DALYRTN TAP1 NL 14 (RECFM FB LRECL 103 BLKSIZE 10300;
/* PROGRAM NAME: SASDRF SAS */
/* FILE : DAILY STOCK PRICE & RETURNS */

DATA;
INFILE DALYRTN;
INPUT CUNTRY 1-2
      COID $ 3-8
      STKTYP 9
      DTTRD 10-17
      SECTID 18
      WKDAY 19
      INDID 20-23
      OPNPRC 24-31 2
      HIPRC 32-39 2
      LOPRC 40-47 2
      CLSPRC 48-55 2
      TRDVOL 56-65
      TRDVAL 66-73
      DRETWD 74-83 6
      DRETND 84-93 6
      ACCADJ 94-103 6;

PROC PRINT; VAR CUNTRY COID STKTYP DTTRD SECTID WKDAY INDID OPNPRC HIPRC
              LOPRC CLSPRC TRDVOL TRDVAL DRETWD DRETND ACCADJ;
FORMAT OPNPRC HIPRC LOPRC CLSPRC 9.2 DRETWD DRETND ACCADJ 11.6;
RUN;
```

---

**TAPE CHARACTERISTICS - KOREA****Format:** Unlabeled**Density:** 6250 BPI (Standard Round Reel)  
38000 BPI (Tape Cartridge)**Code:** EBCDIC

<u>File Number</u>	<u>File Name</u>	<u>Block Size</u>	<u>Record Size</u>	<u>Blocking Factor</u>
0001	COMPANY	2,770	277	10
0002	EXCHANGE	2,000	20	100
0003	MNTHECON	3,160	316	10
0004	YEARECON	4,890	489	10
0005	CALENDAR	1,200	12	100
0006	FINSTMT	10,560	1,056	10
0007	FINBANK	9,620	962	10
0007	CPTLDIST	5,500	55	100
0008	MONTHMKT	8,400	84	100
0009	MNTHINDX	9,800	98	100
0010	DALYMRKT	7,500	75	100
0011	DALYINDX	2,200	22	100
0012	MNTHRTN	12,000	120	100
0013	DALYRTN	25,752	111	232



**FORTRAN Retrieval Program 3 - KS**  
**(For Key Economic Statistics File - Monthly, Korea)**

```
C  ** PROGRAM NAME:  STDKSEM
C  ** FILE           :  MONTHLY ECONOMIC STATISTICS
C  ** READS FILE;  PRINT ECONOMIC STATISTICS IN 4 PARTS

      INTEGER UNTRY, MONTH, KSM71, KSM72, KSM73, KSM74, KSM75, KSM76, COUNT, I
      REAL    KSM1(7), KSM21(9), KSM41A, KSM41B, KSM42, KSM43A, KSM43B, KSM44A
      REAL    KSM44B, KSM45A, KSM45B, KSM46, KSM47A, KSM47B, KSM48, KSM49
      REAL    KSM61A, KSM61B, KSM61C, KSM62A, KSM62B, KSM62C, KSM63A, KSM63B
      REAL    KSM63C, KSM64A, KSM64B, KSM64C

      COUNT = 0
      WRITE(2,100)
      DO 10 K = 1,10000000
        READ(1,101,END=950) CUNTRY, MONTH, (KSM1(I), I=1,7),
1      (KSM21(I), I=1,9), KSM41A, KSM41B, KSM42, KSM43A, KSM43B, KSM44A, KSM44B,
2      KSM45A, KSM45B, KSM46, KSM47A, KSM47B, KSM48, KSM49, KSM61A, KSM61B,
3      KSM61C, KSM62A, KSM62B, KSM62C, KSM63A, KSM63B, KSM63C, KSM64A,
4      KSM64B, KSM64C, KSM71, KSM72, KSM73, KSM74, KSM75, KSM76

        WRITE(2,111) CUNTRY, MONTH, (KSM1(I), I=1,7)
        WRITE(3,121) CUNTRY, MONTH, (KSM21(I), I=1,9)
        WRITE(4,131) CUNTRY, MONTH, KSM41A, KSM41B, KSM42, KSM43A,
1      KSM43B, KSM44A, KSM44B, KSM45A, KSM45B, KSM46
        WRITE(5,141) CUNTRY, MONTH, KSM47A, KSM47B, KSM48, KSM49,
1      KSM61A, KSM61B, KSM61C, KSM62A, KSM62B, KSM62C,
2      KSM63A, KSM63B, KSM63C, KSM64A, KSM64B, KSM64C,
3      KSM71, KSM72, KSM73, KSM74, KSM75, KSM76
        COUNT = COUNT + 1
10 CONTINUE
950 WRITE(2,171) COUNT
100 FORMAT(10X, 'KOREA MONTHLY ECONOMIC STATISTICS FILE' /)
101 FORMAT(I2, I6, 7F7.2, 9F7.4, 14F8.1, 12F7.2, 6I7)
111 FORMAT(I2, 2X, I6, 7(2X, F8.2))
121 FORMAT(I2, 2X, I6, 9(2X, F8.4))
131 FORMAT(I2, 2X, I6, 10(2X, F9.1))
141 FORMAT(I2, 2X, I6, 4(2X, F9.1), 12(2X, F8.2), 6I7)
171 FORMAT('# OF RECORDS IN MONTHLY ECONOMIC STATISTICS FILE ', I8)
      END
```

**FORTTRAN Retrieval Program 4 - KS**  
**(For Key Economic Statistics File - Yearly, Korea)**

```

C  ** PROGRAM NAME: STDKSEY
C  ** FILE           : YEARLY ECONOMIC STATISTICS
C  ** READS FILE; PRINT ECONOMIC STATISTICS IN 4 PARTS

      INTEGER CUNTRY, YEAR, COUNT
      REAL    KSY1(12), KSY21(8), KSY31(9) KSY41A, KSY41B, KSY41C, KSY41D,
      REAL    KSY42, KSY43, KSY44A, KSY44B, KSY44C, KSY44D, KSY45A, KSY45B,
      REAL    KSY45CA, KSY46, KSY47, KSY48, KSY49, KSY50, KSY51, KSY52,
      REAL    KSY53, KSY54A, KSY54B, KSY54C, KSY54D, KSY55A, KSY55B, KSY55C,
      REAL    KSY55D, KSY56A, KSY56B, KSY56C, KSY57A, KSY57B, KSY57C,
      REAL    KSY57D, KSY58A, KSY58B, KSY58C, KSY58D, KSY59A, KSY59B, KSB59C,
      REAL    KSB59D, KSY60A, KSY60B, KSY60C, KSY60D, KSY61, KSY62, KSY63,
      REAL    KSY64, KSY65, KSY71, KSY72

      COUNT = 0
      WRITE(2,100)
      DO 10 K = 1,10000000
        READ(1,101,END=950) CUNTRY, YEAR, (KSY1(I), I=1,12),
1      (KSY21(I), I=1,8), (KSY31(I), I=1,9), KSY41A, KSY41B, KSY41C, KSY41D,
2      KSY42, KSY43A, KSY44, KSY44B, KSY44C, KSY44D, KSY45A, KSY45B, KSY45C,
3      KSY46, KSY47, KSY48, KSY49, KSY50, KSY51, KSY52, KSY53, KSY54A,
4      KSY54B, KSY54C, KSY54D, KSY55A, KSY55B, KSY55C, KSY55D, KSY56A,
5      KSY56B, KSY56C, KSY57A, KSY57B, KSY57C, KSY57D, KSY58A, KSY58B,
6      KSY58C, KSY58D, KSY59A, KSY59B, KSY59C, KSY59D, KSY60A, KSY60B,
7      KSY60C, KSY60D, KSY61, KSY62, KSY63, KSY64, KSY65, KSY71, KSY72

        WRITE(2,111) CUNTRY, YEAR, (KSY1(I), I=1,12), (KSY21(I), I=1,8),
1      (KSY31(I), I=1,9),
        WRITE(3,121) CUNTRY, YEAR, KSY41A, KSY41B, KSY41C, KSY41d, KSY42,
1      KSY43, KSY44A, KSY44B, KSY44C, KSY44D, KSY45A,
2      KSY45B, KSY45C, KSY46, KSY47, KSY48, KSY49, KSY50
        WRITE(4,131) CUNTRY, YEAR, KSY51, KSY52, KSY53,
1      KSY54A, KSY54B, KSY54C, KSY54D, KSY55A, KSY55B,
2      KSY55C, KSY55D, KSY56A, KSY56B, KSY56C,
        WRITE(5,141) CUNTRY, YEAR, KSY57A, KSY57B, KSY57C, KSY57D, KSY58A,
1      KSY58B, KSY58C, KSY58D, KSY59A, KSY59B, KSY59C, KSY59D,
2      KSY60A, KSY60B, KSY60C, KSY60D, SY61, KSY62, KSY63, KSY64,
3      KSY65, KSY71, KSY72

        COUNT = COUNT + 1
10  CONTINUE
950  WRITE(2,171) COUNT
100  FORMAT(10X, 'KOREA YEARLY ECONOMIC STATISTICS FILE' /)
101  FORMAT(I2, I4, 8F7.2, 51F7.1, F7.2)
111  FORMAT(I2, 2X, I4, 12(2X, F8.2), 8(2X, F8.1), 9(2X, F8.1))
121  FORMAT(I2, 2X, I4, 10(2X, F8.1) /, 8X, 7(2X, F8.1) /)
131  FORMAT(I2, 2X, I4, 17(2X, F8.1))
141  FORMAT(I2, 2X, I4, 9(2X, F8.1), 2X, 11(2X, F8.1) 2X, F8.2)
171  FORMAT('# OF RECORDS IN YEARLY ECONOMIC STATISTICS FILE ', I8)
      END

```

**FORTRAN Retrieval Program 6 - KS**  
**(For Financial Statements File - Industrial Companies, Korea)**

```

C  ** PROGRAM NAME: STDKSFIN
C  ** FILE: FINANCIAL STATEMENTS (Korea)
C  ** FOR INDUSTRIAL COMPANIES ONLY
C  ** READS FILE; PRINT FINANCIAL STATEMENTS FILE IN 6 PARTS

      CHARACTER COID*6,FINCUR*3
      INTEGER    CUNTRY,INDID,YEAR,FISCAL,BAL(22),INC(9),KSF(59),I
      INTEGER    MKT2(2),COUNT,MONCOV
      REAL       MKT1(4)

      COUNT = 0
      WRITE(2,100)
      DO 10 K = 1,10000000
         READ(1,101,END=950) CUNTRY,COID,INDID,YEAR,FISCAL,MONCOV,
1      FINCUR,(BAL(I),I=1,22),(INC(I),I=1,9),(MKT1(I),I=1,4),
2      (MKT2(I),I=1,2),(KSF(I),I=1,59)
         WRITE(2,111) COID,YEAR,(BAL(I),I=1,9)
         WRITE(3,121) COID,YEAR,(BAL(I),I=10,17)
         WRITE(4,131) COID,YEAR,(BAL(I),I=18,22)
         WRITE(5,141) COID,YEAR,(INC(I),I=1,9)
         WRITE(6,151) COID,YEAR,(MKT1(I),I=1,4),(MKT2(I),I=1,2)
         WRITE(7,161) COID,YEAR,(KSF(I),I=1,59)
         COUNT = COUNT + 1
10  CONTINUE
950  WRITE(2,171) COUNT
100  FORMAT(10X,'FINANCIAL STATEMENTS - INDUSTRIAL COMPANY      '/')
101  FORMAT(I2,A6,2I4,I6,I2,A3,31I11,4F11.2,15I11)
111  FORMAT(A6,2X,I4,9(2X,I11))
121  FORMAT(A6,2X,I4,8(2X,I11))
131  FORMAT(A6,2X,I4,5(2X,I11))
141  FORMAT(A6,2X,I4,9(2X,I11))
151  FORMAT(A6,2X,I4,4(2X,F12.2),2(2X,I11))
161  FORMAT(A6,2X,I4,9(2X,I11)/,12X,9(2X,I11)/,12X,9(2X,I11)/,
1    12X,9(2X,I11)/,12X,9(2X,I11)/,12X,9(2X,I11)/,12X,5(2X,I11)/)
171  FORMAT('# OF RECORDS IN FINANCIAL STATEMENT FILE ',I8)
      END

```

**FORTTRAN Retrieval Program 6 - KS**  
**(For Financial Statements File - Financial Companies, Korea)**

```

C  ** PROGRAM NAME: STDKSFIN
C  ** FILE: FINANCIAL STATEMENTS (KOREA)
C  ** FOR FINANCIAL COMPANYIES ONLY
C  ** READS FILE; PRINT FINANCIAL STATEMENTS FILE IN 6 PARTS

CHARACTER COID*6,FINCUR*3
INTEGER    CUNTRY,INDID,YEAR,FISCAL,BALB(14),INCB(8),KSF(57),I
INTEGER    MKT2(2),COUNT,MONCOV
REAL       MKT1(4)

COUNT = 0
WRITE(2,100)
DO 10 K = 1,10000000
  READ(1,101,END=950) CUNTRY,COID,INDID,YEAR,FISCAL,MONCOV,
1   FINCUR,(BALB(I),I=1,14),(INCB(I),I=1,8),(MKT1(I),I=1,4),
2   (MKT2(I),I=1,2),(KSF(I),I=1,57)
  WRITE(2,111) COID,YEAR,(BALB(I),I=1,6)
  WRITE(3,121) COID,YEAR,(BALB(I),I=7,10)
  WRITE(4,131) COID,YEAR,(BALB(I),I=11,14)
  WRITE(5,141) COID,YEAR,(INCB(I),I=1,9)
  WRITE(6,151) COID,YEAR,(MKT1(I),I=1,4),(MKT2(I),I=1,2)
  WRITE(7,161) COID,YEAR,(KSF(I),I=1,57)
  COUNT = COUNT + 1
10 CONTINUE
950 WRITE(2,171) COUNT
100 FORMAT(10X,'FINANCIAL STATEMENTS - FINANCIAL COMPANY   '/')
101 FORMAT(I2,A6,2I4,I6,I2,A3,31I11,4F11.2,15I11)
111 FORMAT(A6,2X,I4,9(2X,I11))
121 FORMAT(A6,2X,I4,8(2X,I11))
131 FORMAT(A6,2X,I4,5(2X,I11))
141 FORMAT(A6,2X,I4,9(2X,I11))
151 FORMAT(A6,2X,I4,4(2X,F12.2),2(2X,I11))
161 FORMAT(A6,2X,I4,9(2X,I11)/,12X,9(2X,I11)/,12X,9(2X,I11)/,12X,
1  9(2X,I11)/,12X,9(2X,I11)/,12X,9(2X,I11)/,12X,3(2X,I11)/)
171 FORMAT('# OF RECORDS IN FINANCIAL STATEMENT FILE ',I8)
END

```

**FORTRAN Retrieval Program 13**  
**(For Monthly Stock Price & Returns File, Korea)**

```
C  ** PROGRAM NAME:  STDKSMRF
C  ** FILE           :  MONTHLY STOCK PRICE & RETURNS
C  ** READS FILE;   PRINTS ENTIRE FILE

      CHARACTER*6  COID
      INTEGER  CUNTRY,STKTYP,MONTH,SECTID,INDID,OPNDAY,CLSDAY,I
      INTEGER  SHROUT,CNTTRD,COUNT,OPNPRC,CLSPRC
      REAL  TRDVOL,TRDVAL,MKTVAL,MRETWD,MRETND,MADJCD,MADJLD

      COUNT = 0
      DO 10 I = 1,10000000
         READ(1,101,END=950) CUNTRY,COID,STKTYP,MONTH,SECTID,INDID,
1      OPNPRC,OPNDAY,CLSPRC,CLSDAY,TRDVOL,TRDVAL,SHROUT,MKTVAL,
2      CNTTRD,MRETWD,MRETND,MADJCD,MADJLD
         COUNT = COUNT + 1
         WRITE(2,102) CUNTRY,COID,STKTYP,MONTH,SECTID,INDID,
1      OPNPRC,OPNDAY,CLSPRC,CLSDAY,TRDVOL,TRDVAL,SHROUT,MKTVAL,
2      CNTTRD,MRETWD,MRETND,MADJCD,MADJLD

10  CONTINUE
950  WRITE(2,103)COUNT
101  FORMAT(I2,A6,I1,I6,I1,I4,2(I8,I2),2F10.0,I8,F10.0,I2,4F10.6)
102  FORMAT(I2,1X,A6,1X,I1,1X,I6,1X,I1,1X,I4,1X,2(I9,1X,I2,1X),
1      2(F13.1,1X),I10,1X,F13.1,1X,I2,4F12.6)
103  FORMAT('# OF RECORDS IN MRF FILE  ',I10)
      END
```

**FORTTRAN Retrieval Program 14**  
**(For Daily Stock Price & Returns File, Korea)**

```
C ** PROGRAM NAME: STDKSDRF
C ** FILE           : DAILY STOCK PRICE & RETURNS
C ** READS FILE; PRINTS THE FIRST 1000 RECORDS

CHARACTER COID*6
INTEGER CUNTRY,STKTYP,DTTRD,SECTID,WKDAY,TRDVOL,TRDVAL,SHROUT
INTEGER INDID,COUNT,OPNPRC,HIPRC,LOPRC,CLSPRC,I
REAL DRETWD,DRETND,ACCADJ

COUNT = 0
DO 10 I = 1,100000000
  READ(1,101,END=950)CUNTRY,COID,STKTYP,DTTRD,SECTID,WKDAY,
  1  INDID,OPNPRC,HIPRC,LOPRC,CLSPRC,TRDVOL,TRDVAL,SHROUT,
  2  DRETWD,DRETND,ACCADJ
C  OUTPUTTING THE FIRST 1000 RECORDS ON FILE
  IF(COUNT.LT.1000) THEN
    WRITE(2,102)CUNTRY,COID,STKTYP,DTTRD,SECTID,WKDAY,INDID,
    1  OPNPRC,HIPRC,LOPRC,CLSPRC,TRDVOL,TRDVAL,SHROUT,DRETWD,
    2  DRETND,ACCADJ
  END IF
C  COUNT IS OF ALL RECORDS ON THE FILE
  COUNT = COUNT + 1

10 CONTINUE
950 WRITE(2,103) COUNT
101 FORMAT(I2,A6,I1,I8,2I1,I4,4I8,I10,2I8,3F10.6)
102 FORMAT(1X,I2,1X,A6,1X,I1,1X,I8,1X,2(I1,1X),I4,1X,4(I9,1X),
  1  I11,1X,2(I9,1X),3(F12.6,1X))
103 FORMAT(1X,'TOTAL # OF RECORDS IN DRF FILE ',I10)
END
```

**SAS Retrieval Program 3 - KS**  
**(For Key Economic Statistics File - Monthly, Korea)**

```
/* PROGRAM NAME: SASKSEM SAS */
/* FILE : MONTHLY ECONOMIC STATISTICS */

DATA;
INFILE MNTHECON LRECL=358;
INPUT CUNTRY 1-2
      MONTH 3-8
      (KSM1-KSM7) (7.2)
      (KSM21 KSM22 KSM22A KSM23 KSM23A KSM24 KSM25 KSM26 KSM27) (7.4)
      (KSM41A KSM41B KSM42 KSM43A KSM43B KSM44A KSM44B KSM45A
      KSM45B KSM46 KSM47A KSM47B KSM48 KSM49) (8.1)
      (KSM61A KSM61B KSM61C KSM62A KSM62B KSM62C KSM63A KSM63B KSM63C
      KSM64A KSM64B KSM64C) (7.2)
      (KSM71-KSM76) (7.);

FORMAT KSM1-KSM7 KSM61A KSM61B KSM61C KSM62A KSM62B KSM62C KSA63A
      KSM63B KSM63C KSM64A KSM64B KSM64C 8.2
      KSM21 KSM22 KSM22A KSM23 KSM23A KSM24 KSM25 KSM26 KSM27 8.4;
FORMAT KSM41A KSM41B KSM42 KSM43A KSM43B KSM44A KSM44B KSM45A
      KSM45B KSM46 KSM47A KSM47B KSM48 KSM49 9.1;

PROC PRINT; VAR CUNTRY MONTH KSM1-KSM7;
TITLE MONTHLY ECONOMIC STATISTICS FILE(3) - EXCHANGE RATES;

PROC PRINT; VAR CUNTRY MONTH KSM21 KSM22 KSM22A KSM23 KSM23A KSM24 KSM25
      KSM26 KSM27;
TITLE MONTHLY ECONOMIC STATISTICS FILE(3) - INTEREST RATES;

PROC PRINT; VAR CUNTRY MONTH KSM41A KSM41B KSM42 KSM43A KSM43B
      KSM44A KSM44B KSM45A KSM45B KSM46;
TITLE MONTHLY ECONOMIC STATISTICS FILE(3) - MONETARY AGGREGATES;

PROC PRINT; VAR CUNTRY MONTH KSM47A KSM47B KSM48 KSM49
      KSM61A KSM61B KSM61C KSM62A KSM62B KSM62C KSM63A
      KSM63B KSM63C KSM64A KSM64B KSM64C KSM71-KSM76;
TITLE MONTHLY ECONOMIC STATISTICS FILE(3) - BASE MONEY & RESERVES,
PRICE INDEXES & GOVERNMENT BUDGET;
RUN;
```

**SAS Retrieval Program 4 - KS**  
**(For Key Economic Statistics File - Yearly, Korea)**

```

/* PROGRAM NAME: SASKSEY SAS          */
/* FILE           : YEARLY ECONOMIC STATISTICS */

DATA;
INFILE YEARECON LRECL=594;
INPUT CUNTRY 1-2
YEAR      3-6
(KSY1A KSY1B KSY1C KSY2A KSY2B KSY2C KSY3A KSY3B KSY3C KSY4A)
(KSY4B KSY4C) (7.2)
(KSY21-KSY28) (7.1)
(KSY31-KSY39) (7.1)
(KSY41A KSY41B KSY41C KSY41D KSY42 KSY43 KSY44A KSY44B KSY44C
KSY44D KSY45A KSY45B KSY45C KSY46-KSY53 KSY54A KSY54B KSY54C
KSY54D KSY55A KSY55B KSY55C KSY55D KSY56A KSY56B KSY56C
KSY57A KSY57B KSY57C KSY57D KSY58A KSY58B KSY58C KSY58D
KSY59A KSY59B KSY59C KSY59D KSY60A KSY60B KSY60C KSY60D
KSY61-KSY65 KSY71) (7.1)
KSY72 7.2;

FORMAT KSY1A KSY1B KSY1C KSY2A KSY2B KSY2C KSY3A KSY3B KSY3C KSY4A
KSY4B KSY4C KSY72 8.2;
FORMAT KSY21-KSY28 8.1;
FORMAT KSY31-KSY39 8.1;
FORMAT KSY41A KSY41B KSY41C KSY41D KSY42 KSY43 KSY44A KSY44B KSY44C KSY44D
KSY45A KSY45B KSY45C KSY46-KSY53 KSY54A KSY54B KSY54C KSY54D KSY55A
KSY55B KSY55C KSY56A KSY56B KSY56C KSY57A KSY57B KSY57C KSY57D
KSY58A KSY58B KSY58C KSY58D KSY59A KSY59B KSY59C KSY59D KSY60A
KSY60B KSY60C KSY60D KSY61-KSY65 KSY71 8.1;

PROC PRINT; VAR CUNTRY YEAR KSY1A KSY1B KSY1C KSY2A KSY2B KSY2C KSY3A
KSY3B KSY3C KSY4A KSY4B KSY4C KSY21-KSY28;
TITLE YEARLY ECONOMIC STATISTICS FILE(4) - PRICE INDEXED AND DEFLATORS
& BALANCE OF PAYMENTS;

PROC PRINT; VAR CUNTRY YEAR KSY31-KSY39;
TITLE YEARLY ECONOMIC STATISTICS FILE(4)-BALANCE OF PAYMENT;

PROC PRINT; VAR CUNTRY YEAR
KSY41A KSY41B KSY41C KSY41D KSY42 KSY43 KSY44A KSY44B KSY44C
KSY44D KSY45A KSY45B KSY45C KSY46-KSY53 KSY54A KSY54B KSY54C
KSY54D KSY55A KSY55B KSY55C KSY55D KSY56A KSY56B KSY56C
KSY57A KSY57B KSY57C KSY57D KSY58A KSY58B KSY58C KSY58D
KSY59A KSY59B KSY59C KSY59D KSY60A KSY60B KSY60C KSY60D
KSY61-KSY65;
TITLE YEARLY ECONOMIC STATISTICS FILE(4) - NATIONAL INCOME ACCOUNT;

PROC PRINT; VAR CUNTRY YEAR KSY71 KSY72;
TITLE YEARLY ECONOMIC STATISTICS FILE(4) - POPULATION & LABOR MARKETS;
RUN;

```



---

**SAS Retrieval Program 6 - KS**  
**(For Financial Statements File - Industrial Companies, Korea)**

```
/* PROGRAM NAME: SASKSFIN SAS          */
/* FILE          : FINANCIAL STATEMENTS */

DATA;
INFILE FINSTMT LRECL=1083;
INPUT  CUNTRY    1-2
       COID     $ 3-8
       INDID    9-12
       YEAR     13-16
       FISCAL   17-22
       MONCOV   23-24
       FINCUR   $ 25-27
       (BAL1-BAL22 INC1-INC9) (11.)
       (MKT1-MKT4) (11.2)
       (MKT5-MKT6) (11.)
       (KSF1-KSF59) (11.);

FORMAT MKT1-MKT4 11.2;
PROC PRINT; VAR CUNTRY COID INDID YEAR FISCAL BAL1-BAL9;
TITLE FINANCIAL STATEMENT FILE(4)-ASSETS: KOREA;

PROC PRINT; VAR COID BAL10-BAL22;
TITLE FINANCIAL STATEMENT FILE(4)-LIABILITIES & EQUITY: KOREA;

PROC PRINT; VAR COID INC1-INC9;
TITLE FINANCIAL STATEMENT FILE(4)-INCOME: KOREA;

PROC PRINT; VAR COID MKT1-MKT6;
TITLE FINANCIAL STATEMENT FILE(4)-MARKET RELATED DATA: KOREA;

PROC PRINT; VAR COID KSF1-KSF59;
TITLE FINANCIAL STATEMENT FILE(4)-SUPPLEMENTARY ITEMS: KOREA;
RUN;
```

**SAS Retrieval Program 6 - KS**  
**(For Financial Statements File - Financial Companies, Korea)**

```
/* PROGRAM NAME: SASKSFIN SAS          */
/* FILE           : FINANCIAL STATEMENTS */

DATA;
INFILE FINSTMT LRECL=963;
INPUT  CUNTRY    1-2
       COID     $ 3-8
       INDID    9-12
       YEAR     13-16
       FISCAL   17-22
       MONCOV   23-24
       FINCUR  $ 25-27
       (BAL1-BALB14 INCB1-INCB8) (11.)
       (MKT1-MKT4) (11.2)
       (MKT5-MKT6) (11.)
       (KSFB1-KSFB57) (11.);

FORMAT MKT1-MKT4 11.2;
PROC PRINT; VAR CUNTRY COID INDID YEAR FISCAL BALB1-BALB6;
TITLE FINANCIAL STATEMENT FILE(4)-ASSETS: KOREA;

PROC PRINT; VAR COID BALB7-BAL14;
TITLE FINANCIAL STATEMENT FILE(4)-LIABILITIES & EQUITY: KOREA;

PROC PRINT; VAR COID INCB1-INCB8;
TITLE FINANCIAL STATEMENT FILE(4)-INCOME: KOREA;

PROC PRINT; VAR COID MKT1-MKT6;
TITLE FINANCIAL STATEMENT FILE(4)-MARKET RELATED DATA: KOREA;

PROC PRINT; VAR COID KSFB1-KSFB57;
TITLE FINANCIAL STATEMENT FILE(4)-SUPPLEMENTARY ITEMS: KOREA;
RUN;
```

**SAS Retrieval Program 13**  
**(For Monthly Stock Price & Returns File, Korea)**

```
CMS FILEDEF MNTHRTN TAP1 NL 12 (RECFM FB LRECL 120 BLKSIZE 12000;
/* PROGRAM NAME: SASKSMRF SAS */
/* FILE : MONTHLY STOCK PRICE & RETURNS */

DATA;
INFILE MNTHRTN;
INPUT CUNTRY 1-2
      COID $ 3-8
      STKTYP 9
      MONTH 10-15
      SECTID 16
      INDID 17-20
      OPNPRC 21-28
      OPNDAY 29-30
      CLSPRC 31-38
      CLSDAY 39-40
      TRDVOL 41-50
      TRDVAL 51-60
      SHROUT 61-68
      MKTVAL 69-78
      CNTTRD 79-80
      MRETWD 81-90 6
      MRETND 91-100 6
      MADJCD 101-110 6
      MADJLD 111-120 6;

PROC PRINT; VAR CUNTRY COID STKTYP MONTH OPNPRC OPNDAY CLSPRC CLSDAY
              SHROUT MKTVAL CNTTRD MRETWD MRETND MADJCD MADJLD;

FORMAT MRETWD MRETND MADJCD MADJLD 11.6;
RUN;
```

**SAS Retrieval Program 14**  
**(For Daily Stock Price & Returns File, Korea)**

```
CMS FILEDEF DALYRTN TAP1 NL 1 (RECFM FB LRECL 111 BLKSIZE 25752;
/* PROGRAM NAME: SASKDRF SAS */
/* FILE : DAILY STOCK PRICE & RETURNS */

DATA;
INFILE DALYRTN;
INPUT CUNTRY 1-2
      COID $ 3-8
      STKTYP 9
      DTTRD 10-17
      SECTID 18
      WKDAY 19
      INDID 20-23
      OPNPRC 24-31
      HIPRC 32-39
      LOPRC 40-47
      CLSPRC 48-55
      TRDVOL 56-65
      TRDVAL 66-73
      SHROUT 74-81
      DRETWD 82-91 6
      DRETND 92-101 6
      ACCADJ 102-111 6;

PROC PRINT; VAR CUNTRY COID STKTYP DTTRD SECTID WKDAY INDID OPNPRC HIPRC
             LOPRC CLSPRC TRDVOL TRDVAL SHROUT DRETWD DRETND ACCADJ;

FORMAT DRETWD DRETND ACCADJ 11.6;
RUN;
```

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# **APPENDICES**

## PACAP

## PACAP COUNTRY CODES

<u>Country ID</u> (CUNTRY)	<u>Country Name</u>	<u>Abbreviation</u>	<u>Local Currency</u>
01	Taiwan	TW	NT\$
02	Korea	KS	Won
03	Thailand	TH	Baht
04	Malaysia	MY	Ringgit
05	Hong Kong	HK	HK\$
06	Singapore	SN	SND
07	Indonesia	ID	Rupiah
09	Japan	JA	Yen

## CURRENCY CODES USED IN PACAP

<u>Currency</u>	<u>Currency Code</u>
Australian Dollar	AUD
Deutsche Mark	DEM
U.K. Pound	GBP
Hong Kong Dollar	HKD
Indonesia Rupiah	IDR
Japanese Yen	JPY
Korean Won	KRW
Malaysian Ringgit	MYR
Netherlands Guilder	NLG
New Taiwan Dollar	NTD
Philippine	PHP
Chinese Renminbi	RMB
Singapore Dollar	SND
Thai Baht	THB
U.S. Dollar	USD
Norway Norwegian Krone	NOK
Canada Dollar	CAD

## STATUS OF COMPANY

<u>Status of Company</u> (STATCO)	<u>Remarks</u>
A	Active
B	Bankrupt
C	Compulsory delisting
D	Delisted, reason unknown
G	Changed to government owned
L	Listing Status replaced by another company
M	Merged with another company
O	Delisted due to company reorganization
P	Changed to private company
R	Company reclassified into another industry
S	Company under reorganization, data unavailable in PACAP
T	Acquired by another company
V	Voluntary withdrawals
Z	Delisted, then relisting with the same company name

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**CAPITAL DISTRIBUTION TYPES**

<b><u>Distribution Type</u></b> (DISTYP)	<b><u>Description</u></b>
CA	Cash Dividend
CB	Cash Dividend - Taxable
CC	Cash Dividend - Tax Exempt
CD	Cash Dividend with Scrip Option
CE	Dividend in Scrip Form with Cash Option <sup>1</sup>
CF	Cash Dividend in Foreign Currency <sup>2</sup>
CG	Cash Dividend in Foreign Currency <sup>2</sup> - Taxable
CH	Cash Dividend in Foreign Currency <sup>2</sup> - Tax Exempt
CI	Cash Dividend in Foreign Currency <sup>2</sup> with Scrip Option
CJ	Dividend in Scrip Form with Cash Option in Foreign Currency <sup>1,2</sup>
CK	Special Dividend/Cash Bonus
CL	Special Dividend/Cash Bonus - Taxable
CM	Special Dividend/Cash Bonus - Tax Exempt
CN	Special Dividend/Cash Bonus with Scrip Option
CO	Special Dividend in Scrip Form with Cash Option <sup>1</sup>
CP	Special Dividend/Cash Bonus in Foreign Currency <sup>2</sup>
CQ	Special Dividend/Cash Bonus in Foreign Currency <sup>2</sup> - Taxable
CR	Special Dividend/Cash Bonus in Foreign Currency <sup>2</sup> - Tax Exempt
CS	Special Dividend/Cash Bonus in Foreign Currency <sup>2</sup> with Scrip Option
CT	Special Dividend in Scrip Form with Cash Option in Foreign Currency <sup>1,2</sup>
CU	Capital Repayment <sup>3</sup>
CV	Bonus Shares of Other Stock Type or Other Company <sup>4</sup>
CW	Bonus Warrant <sup>4</sup>
CX	Rights Offering - Rights to Subscribe Other Type of Stocks or Other Company's Shares <sup>4</sup>
DC	Reverse Split/Consolidation
DD	Decrease/Reduction of Capital
DE	Share Exchange
DS	Stock Split
RF	Rights Offering with Subscription Price in Foreign Currency <sup>2</sup>
RO	Rights Offering
RW	Rights Offering - with Warrant or Other Type of Stocks Issued at the same time <sup>5</sup>
SD	Stock Dividend/Bonus Issue

## Notes:

1. The cash option price is used as the AMOUNT of the distribution.
2. The foreign currency amount has been converted into local currency equivalent based on the exchange rate on ex-distribution date.
3. Treated as a cash distribution with the AMOUNT equal to the decrease in the par value of the stock.
4. Treated as a cash distribution with the AMOUNT equal to the cash equivalent of the bonus/rights issues.
5. The price of the warrant or other type of stock is not included in the calculation of returns as most prices are unavailable.



## PACAP

## MISSING CODES

Data Element	Code Used	Description
OPNPRC, HIPRC, LOPRC, CLSPRC	-8888 for Hong Kong, Malaysia and Singapore -88888 for Taiwan and Thailand -8888888 for Japan , Korea, and Indonesia	Missing Due to Trading Suspended or Company Under Reconstruction.
	-9666 for Hong Kong, Malaysia and Singapore -96666 for Taiwan and Thailand -9666666 for Japan, Korea, and Indonesia	Missing due to non-trading of the Company
	-9999 for Hong Kong, Malaysia and Singapore -99999 for Taiwan and Thailand -9999999 for Japan, Korea, and Indonesia	Missing Due to Lack of Availability
DRETND, DRETWD, MRETND, MRETWD, MADJCD, MADJLD	-966 for All Countries	Missing Since No Trading on Current Date
	-977 for All Countries	Missing Since No Trading on Previous Date
	-999 for All Countries	Missing Due to Lack of Availability
All Elements from the Balance Sheet, Income Statement, Supplementary Items in the Financial Statements File	-8888888888 for All Countries	Missing Because the Item is Not Applicable to Specific Industry or Countries
	-9999999999 for All Countries	Missing Due to Lack of Availability

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## PACAP

## FILE SIZE AND PERIOD COVERED IN PACAP DATABASES - KOREA

<u>File</u>	<u>Dataset Name</u>	<u>No. of Records</u>	<u>File Size (bytes)</u>	<u>Beginning Date</u>	<u>Ending Date</u>
0001	COMPANY	886	291,494	1977 Jan 1	2001 Dec 31
0002	EXCHANGE	8,528	187,616	1975 Jan 1	2001 Dec 31
0003	MNTHECON	324	116,640	1975 Jan	2001 Dec
0004	YEARECON	27	16,119	1975	2001
0005	CALENDAR	9,131	127,834	1977 Jan 1	2001 Dec 31
0006	FINSTMT	11,856	12,863,760	1981*	2001
0007	FINBANK	1,847	1,780,508	1981*	2001
0008	CPTLDIST	13,352	761,064	1977 Jan 4	2001 Dec 31
0009	MONTHMKT	288	24,768	1977 Jan	2000 Dec
0010	MNTHINDX	11,536	1,153,600	1977 Jan	2001 Dec
0011	DALYMRKT	6,933	533,841	1977 Jan 4	2000 Dec 28
0012	DALYINDX	265,928	6,382,272	1977 Jan 4	2001 Dec 31
0013	MNTHRTN	157,062	19,161,564	1977 Jan	2001 Dec
0014	DALYRTN	3,718,332	415,774,860	1977 Jan 4	2001 Dec 28

\* Korean accounting principles have been drastically changed from 1981; financial statements for the years before 1981 are unavailable.

## STOCK INDEX CODES - KOREA

<u>Index Code (IDXID)</u>	<u>Base Period</u>	<u>Index Name (INXNME)</u>
1000	1980 Jan 4 = 100	Korea Composite Stock Price Index (KOSPI)
1100	1980 Jan 4 = 100	Manufacturing Stock Price Index <sup>1</sup>
<i>INDICES BY SECTION*:</i>		
1110	1980 Jan 4 = 100	First Section Stocks
1120	1980 Jan 4 = 100	Second Section Stocks
<i>INDICES BY CAPITAL SIZE:</i>		
1210	1980 Jan 4 = 100	Large-Sized Capital Stock <sup>2</sup>
1220	1980 Jan 4 = 100	Medium-Sized Capital Stock <sup>3</sup>
1230	1980 Jan 4 = 100	Small-Sized Capital Stock <sup>4</sup>

- Notes:
1. Composite stock price index for all the industries from INDID 2030 to 2110.
  2. Stocks of companies whose capital is more than W 15 billion.
  3. Stocks of companies whose capital is more than W 5 billion & less than or equal to W 15 billion.
  4. Stocks of companies whose capital is less than W 5 billion.
- \* The data is not available after 1999.

(to be continued)

**STOCK INDEX CODES - KOREA (Continued)**

<u>Index Code</u> (IDXID)	<u>Base Period</u>	<u>Index Name</u> (INXNME)
<i>INDICES BY INDUSTRY:</i>		
2010	1980 Jan 4 = 100	Fishing*
2020	1980 Jan 4 = 100	Mining*
2030	1980 Jan 4 = 100	Foods & Beverage
2031	1980 Jan 4 = 100	Foods*
2032	1980 Jan 4 = 100	Beverage*
2040	1980 Jan 4 = 100	Textile & Wearing Apparel
2041	1980 Jan 4 = 100	Textile*
2042	1980 Jan 4 = 100	Apparel*
2043	1980 Jan 4 = 100	Luggage, Handbags, Saddery, Harness & Footwear*
2050	1980 Jan 4 = 100	Wood & Wood Products*
2061	1980 Jan 4 = 100	Paper and Wood
2062	1980 Jan 4 = 100	Publishing, Printing & Reproduction of Recorded*
2070	1980 Jan 4 = 100	Chemicals & Petroleum & Coal & Plastic*
2071	1980 Jan 4 = 100	Chemicals
2072	1980 Jan 4 = 100	Rubber*
2073	1980 Jan 4 = 100	Medical Supplies
2074	1980 Jan 4 = 100	Plastics*
2080	1980 Jan 4 = 100	Nonmetallic Mineral Products
2090	1980 Jan 4 = 100	Iron & Metal Products
2091	1980 Jan 4 = 100	Iron & Steel*
2092	1980 Jan 4 = 100	Nonferrous Metal*
2100	1980 Jan 4 = 100	Fabricated Metal & Machinery*
2101	1980 Jan 4 = 100	Fabricated Metal*
2102	1980 Jan 4 = 100	Machinery
2103	1980 Jan 4 = 100	Electrical & Electronic Equip
2104	1980 Jan 4 = 100	Transport Equipment
2105	1980 Jan 4 = 100	Watch Making*
2110	1980 Jan 4 = 100	Distribution Industry
2114	1980 Jan 4 = 100	Medical & Precision Machines
2120	1980 Jan 4 = 100	Electronic & Gas
2130	1980 Jan 4 = 100	Construction
2142	1980 Jan 4 = 100	Wholesale Trade*
2143	1980 Jan 4 = 100	Retail Trade*
2150	1980 Jan 4 = 100	Transport & Storage
2151	1980 Jan 4 = 100	Land Transportation*
2152	1980 Jan 4 = 100	Shipping*
2153	1980 Jan 4 = 100	Water Transport*
2154	1980 Jan 4 = 100	Telecommunications*
2155	1980 Jan 4 = 100	Air Transport*
2160	1980 Jan 4 = 100	Communication
2170	1980 Jan 4 = 100	Financial companies
2171	1980 Jan 4 = 100	Banks
2172	1980 Jan 4 = 100	Merchant Banks
2173	1980 Jan 4 = 100	Securities
2180	1980 Jan 4 = 100	Insurance
2190	1980 Jan 4 = 100	Services

Note: \* The data is not available after 1999.

**PACAP**

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**INDUSTRY CODES - KOREA**

<b><u>Industry Code</u></b> (INDID)	<b><u>Industry Name</u></b> (INDNME)
0500	Fishing
0600	Mining
0700	Foods & Beverages
0800	Textile & Wearing Apparel
0900	Paper & Wood Products
1000	Chemicals
1100	Medical Supplies
1200	Non-metallic Mineral Products
1300	Iron & Metal Products
1400	Machinery
1500	Electrical & Electrical Equipment
1600	Medical & Precision Machines
1700	Transport Equipment
1800	Other Manufacturing
1900	Distribution Industry
2000	Electricity & Gas
2100	Construction
2200	Transport & Storage
2300	Communication
2425	Banks
2426	Merchant Banks
2427	Securities
2428	Insurance
2429	Other Financing
3000	Services

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**SECTION CODES FOR LISTED STOCKS - KOREA**

<b><u>Section Code</u></b> (SECTION)	<b><u>Section Name</u></b> *
1	No applicable, there is no division of sections.

\* See Numerical Criteria for Stock Listing on the following page.

## NUMERICAL CRITERIA FOR STOCK LISTING - KOREA

### Listing Criteria

The KSE substantially changed its listing requirements, effective on July 1, 2000. An alternative listing standard (Alternative II) was introduced mainly to give fast-growing small-and medium-sized corporation an easy access to the capital market. A corporation intending to list its shares on the KSE for the first time is required to submit a preliminary application to the KSE for listing eligibility examination prior to an official application. Once the corporation satisfies the listing requirements, the KSE refers the case to the listing Committee for a review of eligibility.

Classification	Alternative I	Alternative II
Time lapse since incorporation	3 years or more	
Debt ratio	less than 1.5 times the average debt ratio of listed companies in the same industry	
Asset value	exceeding twice par value	
Number of shares offered to the public	30% or more of total shares	
Number of minority shareholders	1,000 or more	
Earning	Operating, ordinary and net profits should be posted	
	-return on equity of 5% or more for the latest fiscal year and 10% or more over the last three fiscal years; or -net profit of 2.5 billion won or more for the latest fiscal year and 5 billion won or more over the last three fiscal years	-return on equity of 5% or more for the latest fiscal year; or -net profit of 1 billion won or more for the latest fiscal year
Capital Stock	5 billion won or more	2 billion won or more
Shareholders' equity	10 billion won or more	5 billion won or more
Sales	-20 billion won or more for the latest fiscal year; and -an average sales of 5 billions won or more over the last three fiscal years	-6 billion won or more for the latest fiscal year; -an average sales of 5 billion won or more over the last three fiscal years; and -sales growth of 20% or more for the latest fiscal year
Earning value	exceeding twice par value	-exceeding 3 times par value

Source: The Korea Stock Exchange Fact Book 2001.



## LIST OF COMPANIES BY COMPANY NAME – KOREA

APPENDIX D - KS.1

COMPANY NAME	COID	STKTYP	INDID	COMPANY NAME	COID	STKTYP	INDID
ACTS CORPORATION	000576	1	0800	CHONBANG CO., LTD.	000095	1	0800
AEKYUNG PETROCHEMICAL	000684	1	1000	CHONG KUN DANG CORP.	000163	1	1100
AI YANG METAL CO, LTD.	000919	1	1300	CHONGGU HOUSING & CONSTRUCTION CORP.	001151	1	2100
ALUMINIUM OF KOREA LTD.	000905	1	1300	CHONGSOL MERCHANT BANKING	001508	1	2429
ANAM ELECTRONICS CO., LTD.	000870	1	1500	CHOONG ANG PAPER MFG. CO., LTD.	000560	1	0900
ANAM PRECISION CO.,LTD.	007005	1	1500	CHOONG NAM SPINNING CO., LTD.	000138	1	0800
ANAM SEMICONDUCTOR	000183	1	1500	CHOONG WAE PHARMA. CORP.	000106	1	1100
ANKOOK SAFETY GRASS CO.,LTD	001855	1	1200	CHOSUN REFRACTORIES CO., LTD.	000048	1	1200
ASIA CEMENT MANUFACTURING CO., LTD.	000203	1	1200	CHOSUN STEEL WIRE CO., LTD.	000059	1	1400
ASIA MOTORS CO., INC.	000428	1	1700	CHUN JI INDUSTRIAL CO., LTD.	000149	1	1900
ASIA PACIFIC SPACE TELECOM	001567	1	1500	CHUN KWANG IND. CO., LTD.	000453	1	0700
ASIA PAPER MANUFACTURING CO., LTD.	000231	1	0900	CHUNG BUK BANK, LTD.	000724	1	2425
AUK	001790	1	1500	CHUNG CHONG BANK LTD.	000551	1	2425
BAEK KWANG MINERAL PRODUCTS CO., LTD.	001458	1	1200	CHUNG HO COMNET CO LTD	001260	1	1500
BAEMYUNG METAL CO., LTD.	001180	1	1300	CHUNG HO ELCOM	001241	1	1500
BAIKSAN	003515	1	1000	CHUNG HWA ENTERPRISE CORP.	007858	1	1900
BANDO SPORTS CO.,LTD.	007302	1	1800	CHUNG WON CORPORATION	000384	1	0800
BAROQUE FURNITURE CO., LTD.	001712	1	1800	CHUNIL EXPRESS CO., LTD.	000065	1	2200
BENEDES INC	000936	1	1900	CKD BIO CORPORATION	006316	1	1100
BING-GRAE CO., LTD.	000518	1	0700	COMET SAVINGS AND FINANCE CO LTD	002561	1	2429
BO HAE BREWERY CO., LTD.	000089	1	0700	COMTEC SYSTEMS	003182	1	1500
BOLAK CO., LTD.	000276	1	1000	CORYO MERCHANT BANK	001711	1	2425
BONG SHIN CASTING & MACHINERY CO., LTD.	000535	1	1400	CORYO SECURITIES CORPORATION	000273	1	2427
BOO HUNG CO., LTD.	000393	1	0800	CROWN CONFECTIONERY CO., LTD.	000574	1	0700
BOO KOOK SECURITIES CO., LTD.	000127	1	2427	DACOM CORPORATION.	001594	1	2300
BORAM BANK	000889	1	2425	DAE CHANG FORGING CO., LTD.	001523	1	1700
BORNEO INTERNATIONAL FURNITURE CO., LTD.	000474	1	1800	DAE CHANG IND. CO., LTD.	001280	1	1300
BORYUNG PHARMACEUTICAL CO., LTD.	000385	1	1100	DAE DO SANG SA CO.,LTD.	003251	1	0800
BRAIN TECHNOLOY INDUSTRIES	000649	1	1600	DAE DONG BANK	002160	1	2429
BU KWANG PHARMACEUTICAL CO., LTD.	000300	1	1100	DAE DONG INDUSTRIAL CO., LTD.	000049	1	1400
BUM YANG FOOD CO., LTD.	000875	1	0700	DAE DUCK ELECTRONICS CO., LTD.	000806	1	1500
BUSAN INDUSTRIAL CO., LTD.	001139	1	1200	DAE DUCK INDUSTRIAL CO., LTD.	000413	1	1500
BYC CO., LTD.	000146	1	0800	DAE HAN FLOUR MILLS CO., LTD.	000113	1	0700
BYUCK SAN CORPORATION	000721	1	1200	DAE HAN PULP CO., LTD.	000454	1	0900
BYUCK SAN DEVELOPMENT CO., LTD.	000208	1	2100	DAE HAN SYNTHETIC FIBER CO., LTD.	000383	1	1000
BYUCK SAN ENGINEERING & CONSTRUCTION CO., LTD.	000253	1	2100	DAE HO CONSTRUCTION CO., LTD.	000198	1	2100
CAMBRIDGE MEMBERS	000462	1	0800	DAE HYUN CO., LTD.	001609	1	0800
CAPRO CORPORATION	000638	1	1000	DAE RIM CO., LTD.	000396	1	0700
CECROP CO LTD	001697	1	1400	DAE SUN DISTILLING CO., LTD.	000411	1	0700
CENTRAL BANKING	000899	1	2426	DAE SUNG INDUSTRIAL CO., LTD.	000562	1	1900
CENTRAL CONSTRUCTION CO., LTD.	001511	1	2100	DAE WON KANG UP CO., LTD.	000043	1	1700
CENTURY CO., LTD.	000675	1	1400	DAE WOONG PHARMACEUTICAL CO., LTD.	000309	1	1100
CERAMIC DEVELOPMENT CORP.	004900	1	1200	DAE YANG MUTUAL SAVINGS & FINANCE	001325	1	2429
CHANG WON CARBURETER IND. CO., LTD	000968	1	1700	DAE YOUNG PACKAGING CO., LTD.	001416	1	0900
CHEFLINE CO., LTD	001225	1	1400	DAE YU CO., LTD.	000119	1	0800
CHEIL COMMUNICATIONS	003000	1	3000	DAE-A LEAD WIRE CO., LTD.	000994	1	1500
CHEIL INDUSTRIES INC.	000130	1	1000	DAEGU CITY GAS	001671	1	2000
CHEIL JEDANG	000104	1	0700	DAEHAN CITY GAS CO., LTD.	002687	1	2000
CHIN HUNG INTERNATIONAL INC.	000278	1	2100	DAEHAN FIRE & MARINE INSURANCE CO., LTD.	000040	1	2428
CHIN YANG CHEMICAL CORPORAATION	005163	1	1000	DAEIL CHEMICAL CO., LTD.	000311	1	1100
CHIN YANG CORPORATION	000378	1	1000	DAEKYUNG MACHINERY & ENGINEERING CO., LTD.	001559	1	1400
CHO BI CO., LTD.	000155	1	1000	DAELIM CERAMIC CO., LTD.	000575	1	1200
CHO HEUNG CHEMICAL IND. CO., LTD.	000260	1	0700	DAELIM TRADING CO., LTD.	000657	1	1400
CHO KWANG LEATHER CO., LTD.	000470	1	1800	DAERIM INDUSTRIAL CO., LTD.	000021	1	2100
CHOHEONG BANK	000001	1	2425	DAESANG	000168	1	0700
CHOIL ALUMINIUM MANUFACTURING CO., LTD.	001847	1	1300	DAESANG FEED	003658	1	0700
CHOIL PAPER MFG	000938	1	0900	DAESUNG RESOURCES CO., LTD.	000426	1	0600
CHOKWANG PAINT LTD.	000491	1	1000	DAEWON CABLE CO., LTD.	000634	1	1500

## LIST OF COMPANIES BY COMPANY NAME – KOREA

APPENDIX D - KS.2

COMPANY NAME	COID	STKTYP	INDID	COMPANY NAME	COID	STKTYP	INDID
DAEWON CHEMICAL	002489	1	1000	DONG YANG TINPLATE CO., LTD.	000271	1	1300
DAEWON PHARMACEUTICAL	000322	1	1100	DONG-A MUTUAL SAVINGS & FINANCE	003071	1	2429
DAEWOO CORPORATION	000381	1	1900	DONG-A PHARM. CO., LTD.	000064	1	1100
DAEWOO ELECTRONICS CO., LTD.	000741	1	1500	DONG-A PRECISION MACHINERY CO., LTD.	001276	1	1700
DAEWOO ENGINEERING & CONSTRUCTION	004704	1	2100	DONG-AH CONSTRUCTION IND. CO., LTD.	000028	1	2100
DAEWOO HEAVY INDUSTRIES & MACHINERY	004267	1	1400	DONGBANG TRANSPORT & LOGISTICS	000414	1	2200
DAEWOO HEAVY INDUSTRIES LTD.	000020	1	1400	DONGBU CHEMICAL CO., LTD.	000895	1	1000
DAEWOO INTERNATIONAL	004705	1	1900	DONGBU FINE CHEMICALS	001203	1	1000
DAEWOO MOTOR SALES CO., LTD.	000455	1	1900	DONGBU FIRE & MARINE INSURANCE CO., LTD.	000583	1	2428
DAEWOO PRECISION INDUSTRIES LTD.	001573	1	1700	DONGBU HANNONG CHEMICAL	000099	1	1000
DAEWOO SECURITIES CO., LTD.	000680	1	2427	DONGBU SECURITIES CO., LTD.	001661	1	2427
DAEWOO SHIPBUILDING & MARINE ENGINEERING	004266	1	1700	DONGBU STEEL CO., LTD.	001638	1	1300
DAEWOO TELECOM CO.,LTD.	000506	1	1500	DONGIL PAPER MFG	001930	1	0900
DAHAAM E-TEC	000928	1	1500	DONGKOOK IND. CO., LTD.	000162	1	1700
DAI DONG CO., LTD.	001251	1	1400	DONGKUK HEAVY IND.	005403	1	1400
DAI MI CO., LTD.	007844	1	1900	DONGKUK STEEL MILL CO., LTD.	000123	1	1300
DAI NONG CORPORATION	000111	1	0800	DONGNAM CHEMICAL INDUSTRIES	002345	1	1000
DAIHAN EUNPAKGY INDUSTRIAL CO., LTD.	000748	1	1300	DONGWON CORPORATION	000358	1	0600
DAIHAN INVESTMENT BANKING	000903	1	2429	DONGWON F & B	004977	1	0700
DAIHAN WOOL TEXTILE CORP.	000135	1	0800	DONGWON FISHERIES	003072	1	0500
DAISHIN SECURITIES CO., LTD.	000354	1	2427	DONGWON INDUSTRIES CO., LTD.	000604	1	0500
DAOU TECHNOLOGY	002359	1	3000	DONGWON METAL IND. CO., LTD.	001850	1	1700
DC CHEMICAL	001006	1	1000	DONGWON SECURITIES CO., LTD.	000589	1	2427
DCM CORP.	002409	1	1300	DONGYANG MECHATRONICS CORPORATION	001357	1	1700
DI	000316	1	1600	DOO SAN CONSTRUCTION & ENGINEERING CO., LTD.	000295	1	2100
DIGITAL POWER COMMUNICATIONS CO LTD	002689	1	1500	DOORAY AIR METAL	000030	1	1300
DONG AH CONCRETE	005150	1	1300	DOOSAN	000015	1	0700
DONG AH TIRE IND. CO., LTD.	000734	1	1000	DOOSAN BAEK WHA CO., LTD.	000033	1	0700
DONG BANG & CO., LTD.	007857	1	1900	DOOSAN BEVERAGE CO., LTD.	000460	1	0700
DONG BANG AGRO CORPORATION	000759	1	1000	DOOSAN CORPORATION	000009	1	1900
DONG BU CORPORATION	000397	1	1900	DOOSAN FOODS CO., LTD.	002001	1	0700
DONG BU ENGINEERING & CONSTRUCTION CO., LTD.	000596	1	2100	DOOSAN HEAVY INDUSTRIES AND CONSTRUCTION	003402	1	0800
DONG HAE ELECTRIC INDUSTRIES	001918	1	1500	DOOSAN MACHINERY CO., LTD.	000504	1	1400
DONG HAE PULP CO., LTD.	000958	1	0900	DOOSAN TECHPACK CO., LTD	000169	1	1200
DONG HWA BANK	002131	1	2429	DPI CO LTD	000032	1	1000
DONG IL CORPORATION	000153	1	0800	DUCK SUNG CHEMICAL CO., LTD.	000483	1	1000
DONG IL FABRICS CO., LTD.	001100	1	0800	DUCK YANG INDUSTRY	002490	1	1700
DONG IL RUBBER BELT CO., LTD.	000484	1	1000	EAGON INDUSTRIAL CO., LTD.	000825	1	0900
DONG NAM BANK	002161	1	2429	EASTEL SYSTEMS CORPORATION	001482	1	1500
DONG SAN C&G LTD.	000140	1	1000	ENEX CO., LTD.	001109	1	1800
DONG SHIN CO., LTD.	001227	1	2100	ENK TELECOM. CORP.	000329	1	1500
DONG SHIN MFG. CO., LTD.	003512	1	0900	ERUME	000981	1	0800
DONG SHIN PHARMACEUTICAL CO., LTD.	000660	1	1100	ETRONICS CORPORATION	001309	1	1500
DONG SIN PAPER MFG CO., LTD.	001382	1	0900	EUSUNG INDUSTRIAL CO., LTD.	001217	1	1400
DONG SUH INDUSTRIAL CO., LTD.	001078	1	1200	EZ.COM	001226	1	1500
DONG SUH SECURITIES CO., LTD.	000109	1	2427	FEELUX	003318	1	1500
DONG SUNG CHEMICAL CO., LTD.	000519	1	1000	FIRST FIRE & MARINE INSURANCE CO., LTD.	000061	1	2428
DONG SUNG CO., LTD.	000247	1	2100	FIRST MERCHANT BANKING	001250	1	2429
DONG SUNG PHARM. CO., LTD.	000221	1	1100	FIRST TECHNOLOGY CO., LTD.	001082	1	1500
DONG SUNG SEMICONDUCTOR CO., LTD.	006479	1	1500	FURSIS INC.	001680	1	1800
DONG WHA PHARM. IND. CO., LTD.	000002	1	1100	FnC KOLON CORP.	000137	1	1900
DONG YANG DEPARTMENT STORE	002739	1	1900	G INFORMATION & COMMUNICATIONS. LTD	001165	1	1500
DONG YANG ELEVATOR	000451	1	1400	GLOBAL ENTERPRISES LTD.	000436	1	2200
DONG YANG EXPRESS CONSTRUCTION CORP.	000590	1	2100	GOHAP INC.	000738	1	1900
DONG YANG GANG CHUL CO., LTD.	000178	1	1300	GOLD STAR ELECTRIC CO.,LTD.	006407	1	1500
DONG YANG MUTUAL SAVINGS & FINANCE	000780	1	2429	GOLD STAR INVESTMENT & FINANCE CORPORATION	009991	1	2429
DONG YANG STEEL PIPE CO., LTD.	000897	1	1300	GOLDSTAR ELECTRONICDEVICES CO.,LTD.	006472	1	1500
DONG YANG TEXTILE INDUSTRY CO., LTD.	001247	1	0800	GOOD MORNING SECURITIES	000867	1	2427

## LIST OF COMPANIES BY COMPANY NAME – KOREA

APPENDIX D - KS.3

COMPANY NAME	COID	STKTYP	INDID	COMPANY NAME	COID	STKTYP	INDID
GPS CORPORATION	001404	1	1500	HANKOOK TITANIUM IND.CO. LTD.	000542	1	1000
GROBAL & YUASA BATTERY CO., LTD.	000449	1	1500	HANKUK ELECTRIC GLASS CO., LTD.	000972	1	1200
GUH SUNG INDUSTRIAL CO., LTD.	000810	1	0900	HANKUK PAPER MANUFACTURING CO., LTD.	000230	1	0900
GYONG NAM INTERNATIONAL MERCHANT BANKING CORPORAT	001440	1	2429	HANMIL LEASING	002196	1	2429
H AND S INVESTMENT BANK	001271	1	2426	HANSHIN CONSTRUCTION CO., LTD.	000496	1	2100
H.S INDUSTRY CO., LTD.	000606	1	1000	HANSOL CHEMIENCE CO LTD	001468	1	1000
HAE IN CORPORATION	000301	1	1900	HANSOL ELECTRONICS CO., LTD	000471	1	1500
HAE TAI DAIRY CO., LTD.	000390	1	0700	HANSOL MERCHANT BANKING CORP.	001022	1	2429
HAEDONG MUTUAL SAVINGS & FINANCE CO., LTD.	000742	1	2429	HANSOL PAPER BOARD CO., LTD.	000844	1	1900
HAI TAI CONFECTIONERY CO., LTD.	000031	1	0700	HANSOL PAPER CO., LTD.	000415	1	0900
HAITAI STORES CO., LTD.	001009	1	1900	HANSOL TELECOM CO., LTD.	001042	1	3000
HALLA CEMENT MANUFACTURING CORP.	001291	1	1200	HANSUNG ENTERPRISE CO., LTD.	000368	1	0700
HALLA CLIMATE CONTROL	001888	1	1400	HANVIT BANK	000003	1	2425
HALLA ENGINEERING & CONSTRUCTION CORPORATION	001479	1	2100	HANWHA CHEMICAL CORPORATION	000983	1	1000
HAN ALL PHARMACEUTICAL CO., LTD.	000942	1	1100	HANWHA CORPORATION	000088	1	1000
HAN CHANG CORPORATION	000511	1	1500	HANWHA MACHINERY CO., LTD.	000093	1	1400
HAN CHANG PAPER MANUFACTURING CO., LTD.	000946	1	0900	HANWHA MERCHANT BANK	001648	1	2429
HAN DOK REMEDIA IND. CO., LTD.	000239	1	1100	HANYANG SECURITES CO., LTD.	000175	1	2427
HAN EXPRESS	001413	1	2200	HBTELECOM	001655	1	1500
HAN IL E HWA CO., LTD.	000786	1	1700	HEE SUNG CABLE CO., LTD.	000050	1	1500
HAN IL IRON & STEEL CO., LTD.	000222	1	1300	HEUNG AH TIRE & RUBBER CO., LTD.	000572	1	1000
HAN JIN TRANSPORTATION CO., LTD.	000232	1	2200	HEUNG YANG INC.	006466	1	1500
HAN JOO CORPORATION	000045	1	1900	HEUNG-A SHIPPING CO., LTD.	000328	1	2200
HAN KOOK BELT CO., LTD.	000084	1	1000	HEXXIM TELETEK	001554	1	1500
HAN KOOK COSMETICS CO., LTD.	000335	1	1000	HITE BREWERY	000014	1	0700
HAN KUK CARBON CO., LTD.	001796	1	1500	HITRON SYSTEMS	001949	1	1500
HAN MI PHARM. IND. CO., LTD.	000893	1	1100	HO SEUNG CO., LTD.	003309	1	0800
HAN SAE CO LTD	001645	1	1900	HONAM FOODS CO., LTD.	000710	1	0700
HAN SHIN MACHINERY CO., LTD.	001170	1	1400	HONAM PETROCHEMICAL CORPORATION	001117	1	1000
HAN WHA SECURITIES	000353	1	2427	HOTEL SHILLA CO., LTD.	000877	1	3000
HAN YANG CORPORATION	000869	1	2100	HOUSING & COMMERCIAL BANK	002746	1	2425
HAN-IL TEXTILE CO., LTD.	000421	1	0800	HS R&A	001352	1	1000
HANA BANK	000736	1	2425	HUNDADAI ULSAN MERCHANT BANKING CORP	001562	1	2426
HANA SECURITIES	000333	1	2427	HUNEEED TECHNOLOGIES	000587	1	1500
HANBO STEEL & CONSTRUCTION CO., LTD.	000192	1	1300	HUNEX	000487	1	1900
HANDSOME CO.	002000	1	0800	HUNG CHANG PRODUCTS CO., LTD.	000763	1	1500
HANG DO MERCHANT BANK	001498	1	2429	HUNIX INC	000979	1	1500
HANGIL MERCHANT BANK CORPORATION	001443	1	2429	HWA SHIN CO., LTD.	001069	1	1700
HANIL BANK	000013	1	2425	HWA SUNG INDUSTRIAL CO., LTD.	000246	1	1900
HANIL CEMENT MANUFACTURING CO., LTD.	000330	1	1200	HWACHEN MACHINE TOOL	000085	1	1400
HANIL CONSTRUCTION CO., LTD.	000644	1	2100	HWANYOUNG STEEL IND. CO., LTD.	001267	1	1300
HANIL CORPORATION LTD.	004081	1	1100	HYNIX SEMICONDUCTOR INC	000066	1	1500
HANIL ENGINEERING & CONSTRUCTION CO., LTD.	000566	1	2100	HYOSUNG	000480	1	1000
HANIL LEASING	001802	1	2429	HYOSUNG CORPORATION	000193	1	1900
HANIL PHARMACEUTICAL IND. CO., LTD.	000304	1	1100	HYOSUNG MOTORS & MACHINERY	000004	1	1700
HANIL SECURITIES CO., LTD.	000128	1	2427	HYUN DAE PAINT IND. CO., LTD.	001172	1	1000
HANIL SYNTHETIC FIBER CO., LTD.	000398	1	0800	HYUNDAE METAL CO., LTD.	001841	1	1400
HANJIN HEAVY INDUSTRIES CO., LTD.	000348	1	1700	HYUNDAI CEMENT CO., LTD.	000639	1	1200
HANJIN SHIPPING CO., LTD.	000070	1	2200	HYUNDAI CORPORATION	001176	1	1900
HANJOO CHEMICAL CO., LTD.	001097	1	1900	HYUNDAI DEPARTMENT STORE CO LTD	000544	1	1900
HANJOO ELECTRONICS CO., LTD.	000700	1	1500	HYUNDAI ELEVATOR	001780	1	1400
HANKOOK CORE CO., LTD.	001015	1	1500	HYUNDAI ENGINEERING & CONSTRUCTION CO., LTD.	000072	1	2100
HANKOOK GLASS INDUSTRIES INC.	000200	1	1200	HYUNDAI HEAVY INDUSTRIES	000954	1	1700
HANKOOK METAL INDUSTRIAL CO., LTD.	000482	1	1300	HYUNDAI HYSKO	001052	1	1300
HANKOOK SHELL OIL CO., LTD.	000296	1	1000	HYUNDAI INDUSTRIAL & DEVELOPMENT	001263	1	2100
HANKOOK STEEL	002589	1	1400	HYUNDAI INTERNATIONAL MERCHANT BANK	001188	1	2429
HANKOOK SYNTHETICS INC.	002583	1	0800	HYUNDAI MARINE & FIRE INSURANCE CO., LTD.	000145	1	2428
HANKOOK TIRE MFG. CO., LTD.	000024	1	1000	HYUNDAI MERCHANT MARINE CO., LTD	001120	1	2200

## LIST OF COMPANIES BY COMPANY NAME – KOREA

APPENDIX D - KS.4

COMPANY NAME	COID	STKTYP	INDID	COMPANY NAME	COID	STKTYP	INDID
HYUNDAI MIPO DOCK YARD CO., LTD.	001062	1	1700	KEUK DONG TANNING CO., LTD.	001020	1	1800
HYUNDAI MOBIS	001233	1	1700	KEUM HA TEXTILE CO., LTD.	000779	1	0800
HYUNDAI MOTOR CO., LTD.	000538	1	1700	KEUM KANG LEATHER CO., LTD.	001304	1	1800
HYUNDAI MOTOR SERVICE CO., LTD.	000965	1	1900	KEUN WHA PHARM. CO., LTD.	000225	1	1100
HYUNDAI PHARM. IND. CO., LTD.	000431	1	1100	KEYANG ELECTRIC MACHINERY CO., LTD.	001220	1	1400
HYUNDAI SECURITIES CO., LTD.	000345	1	2427	KIA MOTORS CORPORATION	000027	1	1700
HYUNDAI WOOD IND. CO., LTD.	001283	1	1800	KIA MOTORS SERVICE CO., LTD.	000717	1	1900
HYUP JIN ENTERPRISE CO., LTD.	007805	1	1900	KIA STEEL CO., LTD.	000143	1	1300
IFA INDUSTRIAL CO., LTD.	000076	1	1000	KIC LIMITED	000746	1	1400
IISUNG PHARMACEUTICAL	000312	1	1100	KION TRADING CO., LTD.	007856	1	1900
IK ENTERPRISES	000429	1	1900	KIRA INFORMATION & COMMUNICATIONS	001993	1	1500
IL DONG PHARM. CO., LTD.	000023	1	1100	KIRIN CO., LTD.	000607	1	0700
IL EUN SECURITIES	000853	1	2427	KISAN CORP.	001147	1	2100
IL HWA WOOL TEXTILE INDUSTRIAL CO., LTD.	000159	1	0800	KLB SECURITIES CO., LTD.	000117	1	2427
IL JEONG INDUSTRIAL CO., LTD.	000850	1	0800	KODENSHI KOREA	002784	1	1500
IL SHIN STONE CO., LTD.	000711	1	1200	KOHAP LTD.	000446	1	1000
IL SUNG CO., LTD.	001307	1	1000	KOHAP PETROCHEMICAL	002117	1	1000
IL SUNG CONSTRUCTION CO., LTD.	001336	1	2100	KOLON CHEMICAL CO., LTD.	001102	1	1000
IL YANG PHARMACEUTICAL CO., LTD.	000757	1	1100	KOLON CONSTRUCTION CO., LTD.	000307	1	2100
ILJIN CORPORATION	001051	1	1500	KOLON ELECTRIC MACHINERY	006300	1	1500
ILJIN ELECTRIC & MACHINERY CO., LTD.	001586	1	1500	KOLON INDUSTRIES, INCORPORATED.	000202	1	1000
ILSHIN SPINNING CO., LTD.	000320	1	0800	KOLON INTERNATIONAL CORPORATION	006351	1	1900
IN3 TECHNOLOGIES INC	002012	1	1900	KONG YUNG CONSTRUCTION CO., LTD.	000170	1	2100
INCHON OIL REFINERY	000629	1	1000	KOOKMIN BANK	002313	1	2425
INI STEEL COMPANY	000402	1	1300	KOOKMIN BANK	006000	1	2425
INKEL CORPORATION	006408	1	1500	KORAM BANK	001683	1	2425
INNOTZ	001717	1	1500	KOREA AIR LINES CO., LTD.	000349	1	2200
INSUNG INDUSTRIAL CO., LTD.	006424	1	1500	KOREA AIR TERMINAL SERVICE CO., LTD.	000543	1	2200
INTERNATIONAL FIRE & MARINE INSURANCE CO., LTD.	000047	1	2428	KOREA AUTOMOTIVE SYSTEMS CO LTD	000533	1	1700
INTERPION CO LTD	001401	1	1300	KOREA CAST IRON PIPE IND. CO., LTD.	000097	1	1300
INZI CONTROLS CO. LTD	002380	1	1700	KOREA CHEMICAL CO., LTD.	001011	1	1000
ISU CHEMICAL CO., LTD.	000595	1	1000	KOREA CIRCUIT CO., LTD.	000781	1	1500
JAHWA ELECTRONICS	003324	1	1500	KOREA COMPUTER INC.	000976	1	1500
JE IL PHARM. CO., LTD.	000262	1	1100	KOREA CONTAINER TERMINAL CO., LTD.	000907	1	2200
JEIL MOOLSAN CO., INC.	000116	1	1000	KOREA COTTRELL CO., LTD.	000944	1	1400
JEIL REPRIGERATING CO., LTD.	001091	1	0700	KOREA DAIDONG ELECTRONICS CO., LTD.	000811	1	1500
JICO CO., LTD.	001058	1	1700	KOREA DATA SYSTEMS, CO., LTD.	001730	1	1500
JIN HEUNG MUTUAL SAVINGS & FINANCE CO., LTD.	000720	1	2429	KOREA DEVELOPMENT CORPORATION	000420	1	2100
JIN YUNG INDUSTRIAL CO., LTD.	003157	1	0800	KOREA DEVELOPMENT LEASING CO., LTD.	001046	1	2429
JINDO CORPORATION	000840	1	1700	KOREA ELECTRIC POWER CORPORATION	001576	1	2000
JINDO FASHION CO., LTD.	000624	1	0800	KOREA ELECTRIC TERMINAL	002554	1	1500
JINRO GENERAL FOODS CO., LTD.	000473	1	0700	KOREA EXCHANGE BANK	000494	1	2425
JINRO IND.	000556	1	1500	KOREA EXCHANGE BANK CRDIT SERVICE CO., LT	003840	1	2429
JINRO LIMITED	000008	1	0700	KOREA EXPORT PACKAGING IND. CO., LTD.	000220	1	0900
JINSUNG REMICON CO., LTD.	000291	1	1200	KOREA FINE CHEMICAL CO., LTD.	002585	1	1000
JOONG WON ELECTRONICS CO., LTD.	006419	1	1500	KOREA FIRST BANK	000011	1	2425
JOONGANG TEXTILE FINISHING CO., LTD.	000288	1	0800	KOREA FLANGE CO., LTD.	001010	1	1700
KABOOL LTD.	000984	1	0800	KOREA GAS CORP.	003646	1	2000
KABOOL TEXTILES	001129	1	0800	KOREA GREEN CROSS CORPORATION	000525	1	1100
KANG WON INDUSTRIES, LTD.	000090	1	1300	KOREA INDUSTRIAL CO., LTD.	000214	1	0700
KC TECH	002946	1	1600	KOREA INDUSTRIAL DEVELOPMENT	001116	1	2100
KDB CAPITAL	000827	1	2429	KOREA INTERNATIONAL MERCHANT BANK	001415	1	2429
KE MONG SA PUBLISHING CO., LTD.	001184	1	1800	KOREA IRON & STEEL CO., LTD.	000194	1	1300
KEANG NAM ENTERPRISES LTD.	000080	1	2100	KOREA IRON & STEEL WIRE CO., LTD.	000224	1	1300
KEC CORP	000620	1	1500	KOREA KDK CO., LTD.	000969	1	1500
KEDCOM	001105	1	1500	KOREA KUMHO PETROCHEMICAL CO., LTD.	001178	1	1000
KENNY TRADING CO., LTD.	003165	1	0800	KOREA LINE CORPORATION	000588	1	2200
KEP ELECTRONICS	000848	1	1500	KOREA LONG TERM CREDIT BANK	000502	1	2425

## LIST OF COMPANIES BY COMPANY NAME – KOREA

APPENDIX D - KS.5

COMPANY NAME	COID	STKTYP	INDID	COMPANY NAME	COID	STKTYP	INDID
KOREA MERCHANT BANK, LTD.	009993	1	2429	KYUNGNAM WOOL TEXTILE CO., LTD	000167	1	0800
KOREA MERCHANT BANKING CORPORATION	001126	1	2426	LADY FURNITURE CO., LTD.	002584	1	1800
KOREA MOOLSAN CO., LTD.	001182	1	0800	LAMY COSMETICS CO., LTD.	001033	1	1000
KOREA NETWORK CORPORATION	001859	1	1500	LEEKU INDUSTRIAL	002582	1	1300
KOREA PETROCHEMICAL IND	000665	1	1000	LG CABLE & MACHINERY LTD.	000626	1	1500
KOREA PETROLEUM IND. CO., LTD.	000409	1	1200	LG CHEM LTD	005191	1	1000
KOREA PLASTIC INDUSTRY	003901	1	1000	LG CHEMICAL INVESTMENT LTD.	000355	1	3000
KOREA POLYOL CO., LTD.	002500	1	1000	LG CONSTRUCTION CO., LTD.	000636	1	2100
KOREA POLYURETHANE INDUSTRIAL CO., LTD.	001064	1	1000	LG ELECTRIC MACHINERY CO., LTD.	006650	1	1500
KOREA REFRACTORIES CO LTD	001004	1	1200	LG ELECTRONICS INC.	000261	1	1500
KOREA STEEL SHAPES CO LTD	000728	1	1300	LG HOUSEHOLD & HEALTHCARE, LTD	005190	1	1000
KOREA TELECOM	003020	1	2300	LG INDUSTRIAL SYSTEMS CO., LTD.	001012	1	1500
KOREA TOBACCO & GINSENG	003378	1	1800	LG INSTRUMENT & ELECTRIC CO., LTD.	006651	1	1500
KOREA TUNGSTSEN MINING CO., LTD.	000016	1	1400	LG INSURANCE CO., LTD.	000255	1	2428
KOREA ZINC COMPANY LTD.	001013	1	1300	LG INTERNATIONAL CORP.	000112	1	1900
KOREAN GINSENG PRODUCTS CO., LTD.	000254	1	0700	LG MERCHANT BANKING CORP.	000881	1	2429
KOREAN REINSURANCE CO., LTD.	000369	1	2428	LG METALS CORPORATION	000017	1	1300
KORYO CEMENT MANUFACTURING CO., LTD.	000366	1	1200	LG PETROCHEMICAL	001299	1	1000
KTB NETWORK	003021	1	2429	LG SECURITIES CO., LTD.	000594	1	2427
KUK DO CHEMICAL INDUSTRY CO., LTD.	000769	1	1000	LG SEMICON	002989	1	1500
KUK DONG ENGINEERING & CONSTRUCTION CO., LTD.	000098	1	2100	LG TELECOMMUNICATION CO., LTD.	006404	1	1500
KUK DONG OIL & CHEMICAL CO., LTD.	001453	1	1000	LG-CALTEX GAS	001794	1	1900
KUKBO TRANSPORTATION CO., LTD.	000114	1	2200	LGAD INC	003500	1	3000
KUKDONG CITY GAS	001536	1	2000	LIFE CONSTRUCTION CO., LTD.	001053	1	2100
KUKDONG CO.	000532	1	1900	LOTTE CHILSUNG BEVERAGE CO., LTD.	000530	1	0700
KUKDONG ELECTRIC WIRE CO., LTD.	000625	1	1500	LOTTE CONFECTIONERY CO., LTD.	000499	1	0700
KUKJE CORPORATION	000068	1	1900	LOTTE SAM KANG CO., LTD.	000227	1	0700
KUKJE PHARM.INDUSTRIAL CO., LTD.	000272	1	1100	LUCKY ADVANCED MATERIALS INC.	004301	1	1000
KUM BI CORPRATION	000887	1	1200	MAN HO ROPE MANUFACTURING CO., LTD.	000108	1	1300
KUM KANG INDUSTRIAL CO., LTD.	001428	1	1400	MANDO MACHINERY CORP.	000579	1	1700
KUM KANG TRADING CO., LTD.	001073	1	0800	MAXON TELECOM CO LTD	000989	1	1500
KUM YANG CO., LTD.	000157	1	1000	MEDISON	001836	1	1600
KUMGANG KOREA CHEMICAL CO LTD	000238	1	1000	MEEWOO CO., LTD.	007833	1	1900
KUMHO CONSTRUCTION ENGINEERING INC.	000057	1	2100	MERITZ SECURITIES CO LTD	000856	1	2427
KUMHO ELECTRIC INC.	000121	1	1500	MI SUNG CONSTRUCTION	007535	1	2100
KUMHO MERCHANT BANKING CORPORATION	001005	1	2426	MICHANG OIL IND. CO., LTD.	000365	1	1000
KUMHO TIRE CO., LTD.	000299	1	1000	MIDOPA CO., LTD.	000401	1	1900
KUMKYUNG CO., LTD.	001598	1	1900	MIRAE CO.	002556	1	1600
KUN YOUNG CO., LTD.	001272	1	2100	MIWON CO., LTD.	000244	1	0700
KUNSUL CHEMICAL IND. CO., LTD.	000086	1	1000	MIWON COMMERCIAL CO., LTD.	000284	1	1000
KWANG DONG PHARMACEUTICAL CO., LTD.	000929	1	1100	MIWON PETROCHEMICAL CORPORATION	001474	1	1000
KWANG DUK MOOLSAN CO., LTD.	000359	1	0800	MIWON TRADING & SHIPPING CO., LTD.	000679	1	1900
KWANG MYUNG ELECTRIC ENGINEERING CO., LTD.	001704	1	1500	MON AMI CO., LTD.	000536	1	1800
KYC CO., LTD.	006420	1	1500	MONALISA CO., LTD.	001269	1	0900
KYERYONG CONSTRUCTION INDUSTRIAL	001358	1	2100	MOONBAE STEEL CO., LTD.	000842	1	1300
KYONG HYANG CONSTRUCTION CO., LTD.	000205	1	2100	MOTOR JOY CORPORATION	000812	1	1500
KYONG IL LEATHER CO., LTD.	003302	1	0800	MUHACK ALCOHOL	002315	1	0700
KYONGNAM BANK	000661	1	2425	MYUNG SUNG LTD.	001140	1	1700
KYUNG BANG LIMITED	000005	1	0800	NAM HAN PAPER MANUFACTURING CO., LTD.	000195	1	0900
KYUNG DONG BOILER CO., LTD.	000945	1	1400	NAM YANG CORP.	000302	1	0800
KYUNG DONG CITY GAS	001232	1	2000	NAM YANG DAIRY PRODUCTS CO., LTD.	000392	1	0700
KYUNG DONG IND. CO., LTD.	000294	1	1300	NAMHAE CHEMICAL CORPORATION	002586	1	1000
KYUNG IN ELECTRONIC CO., LTD.	000914	1	1500	NAMKWANG ENGINEERING & CONSTRUCTION CO., LTD.	000126	1	2100
KYUNG NAM ENERGY CO., LTD.	000802	1	2000	NAMSUN ALUMINUM CO., LTD.	000835	1	1300
KYUNG NONG CORPORATION	000210	1	1000	NAMSUN MOOLSAN CO., LTD.	000500	1	0800
KYUNG-IN SYSTHETIC CORPORATION(KISCO)	001261	1	1000	NAMSUNG CORPORATION	000427	1	1900
KYUNGGI CHEMICAL INDUSTRIAL CO., LTD.	000139	1	1000	NARA BANKING	001639	1	2426
KYUNGKI BANK, LTD.	000632	1	2425	NASAN CO., LTD.	001499	1	0800

## LIST OF COMPANIES BY COMPANY NAME – KOREA

APPENDIX D - KS.6

COMPANY NAME	COID	STKTYP	INDID	COMPANY NAME	COID	STKTYP	INDID
NASIGN CO LTD	001459	1	0800	SAM HWA PAINTS INDUSTRIAL CO., LTD.	000039	1	1000
NATIONAL PLASTIC CO., LTD.	000425	1	1000	SAM ICK CONSTRUCTION CO., LTD.	000218	1	2100
NEW KOREA ELECTRONICS CO., LTD.	006477	1	1500	SAM JIN CHEMICAL CO., LTD.	000350	1	1000
NEW STAR TRADING CO., LTD.	000399	1	1900	SAM KWANG GLASS IND. CO., LTD.	000509	1	1200
NEWMAX CO., LTD	001408	1	1500	SAM LIP GENERAL FOODS IND CO., LTD.	000561	1	0700
NEXANS KOREA, LTD	000305	1	1500	SAM PYO FOODS CO., LTD.	000754	1	0700
NEXEN TIRE CORPORATION	000235	1	1000	SAM SUNG CONSTRUCTION CO., LTD.	007500	1	2100
NI TECK CO LTD	000826	1	1300	SAM SUNG DRUGS CO., LTD.	004079	1	1100
NONG SHIM CO., LTD.	000437	1	0700	SAM SUNG PHARM. IND. CO., LTD.	000136	1	1100
NONNO CO., LTD.	001578	1	0800	SAM WHA CAPACITOR CO., LTD.	000182	1	1500
NOW PRECISION CO., LTD.	006463	1	1500	SAM WHA ELECTRIC CO., LTD.	000947	1	1500
NSF CO LTD	000770	1	0800	SAM WHAN CORPORATION	000036	1	2100
NUBOTEK CORPORATION	000832	1	1500	SAM YANG CO., LTD.	000007	1	0700
OKOREAN FRENCH BANKING CORP.	001242	1	2426	SAM YANG FOODS CO., LTD.	000323	1	0700
ORIENT CO., LTD.	000263	1	1600	SAM YANG MERCHANT BANKING CORP.	001445	1	2429
ORIENTAL CHEMICAL IND. CO., LTD.	000274	1	1000	SAM YANG OPTICAL IND. CO., LTD.	000808	1	1600
ORIENTAL FIRE & MARINE INSURANCE CO., LTD.	000006	1	2428	SAM YANG TONG SANG CO., LTD.	000217	1	1900
ORIENTAL PRECISION CO., LTD.	006402	1	1500	SAM YOUNG ELECTRONICS CO., LTD.	000568	1	1500
ORION ELECTRIC CO., LTD.	000439	1	1500	SAM YUNG CHEMICAL CO., LTD.	000372	1	1000
OTTOGI CO., LTD.	000731	1	0700	SAM YUNG WOOL TEXTILE INDUSTRIAL CO., LTD.	000492	1	0800
OYANG CORPORATION	000609	1	0700	SAM-A ALUMINIUM CO., LTD.	000611	1	1300
PACIFIC CO., LTD.	000279	1	1000	SAMAE INDUSTRIAL CO., LTD.	000933	1	0800
PACIFIC CONSTRUCTION CO.,LTD.	007517	1	2100	SAMBU CONSTRUCTION CO., LTD.	000147	1	2100
PACIFIC FASHION CO., LTD.	000356	1	1900	SAMCHULLY CO., LTD.	000469	1	2000
PACIFIC INDUSTRY INC.	000908	1	1200	SAMDO CORPORATION	000293	1	0800
PACIFIC PHARMACEUTICAL CO., LTD.	001657	1	1100	SAMHO INTERNATIONAL CO., LTD.	000188	1	2100
PAIK KWANG INDUSTRIAL CO., LTD.	000134	1	1000	SAMHWA CO.,LTD.	004602	1	1000
PAN PACIFIC TRADING CO., LTD.	000798	1	0800	SAMICK CORPORATION	000558	1	2100
PANG RIM CO., LTD	000361	1	0800	SAMICK LMS CO., LTD.	000438	1	1400
PANTECH	002593	1	1500	SAMICK MUSICAL INSTRUMENTS CO., LTD.	000245	1	1800
PARTSNIC COMPANY LIMITED	000932	1	1500	SAMIL PHARM. CO., LTD.	000052	1	1100
PAXAN ELECTRONICS CO., LTD.	006416	1	1500	SAMJIN PHARMACEUTICAL CO., LTD.	000550	1	1100
PEERES COSMETICS. LTD.	000213	1	1000	SAMLIP IND. CO., LTD.	000585	1	1700
POHANG IRON & STEEL CO., LTD.	000549	1	1300	SAMLIP PRECISION INDUSTRIAL	003325	1	1700
POONG JIN CHEMICAL CO., LTD.	001951	1	0700	SAMMI CORPORATION	000258	1	1900
POONG LIM INDUSTRIAL CO., LTD.	000131	1	2100	SAMMI STEEL CO., LTD.	000456	1	1300
POONGSAN CORPORATION	000581	1	1300	SAMNA SPORTS CO., LTD.	007811	1	1900
PULMUONE CO., LTD	001781	1	0700	SAMSAM MERCHANT BANK	001650	1	2429
PUM YANG CONSTRUCTION CO., LTD.	000241	1	2100	SAMSHIN CO., LTD.	007180	1	1800
PUSAN BANK.	000528	1	2425	SAMSUNG AEROSPACE INDUSTRIES, LTD.	001245	1	1600
PUSAN CAST IRON CO., LTD.	000503	1	1700	SAMSUNG CLIMATE CONTROL CO LTD	000666	1	1700
PUSAN CITY GAS	001535	1	2000	SAMSUNG CORPORATION	000083	1	1900
PYUNG HWA INDUSTRIAL CO., LTD.	001077	1	1700	SAMSUNG DISPLAY DEVICES CO., LTD.	000640	1	1500
Q&TECHKOREA	001526	1	1500	SAMSUNG ELECTRO-MECHANICS CO., LTD.	000915	1	1500
RADIX INC.	001616	1	1500	SAMSUNG ELECTRONICS CO., LTD.	000593	1	1500
REGENT INSURANCE CCO LTD	000103	1	2428	SAMSUNG ENGINEERING	002805	1	3000
REGENT MERCHANT BANK	001565	1	2426	SAMSUNG FINE CHEMICALS CO., LTD.	000400	1	1000
REGENT SECURITIES	000129	1	2427	SAMSUNG FIRE & MARINE INSURANCE CO., LTD.	000081	1	2428
ROCKET ELECTRIC CO., LTD.	000042	1	1500	SAMSUNG HEAVY IND. CO., LTD	001014	1	1700
S-OIL CORPORATION	001095	1	1000	SAMSUNG SECURITIES CO., LTD.	001636	1	2427
S1	001275	1	3000	SAMSUNG SEMICONDUCTOR & TELECOMMUNICATIONS CO.,LTD	006456	1	1500
SAEHAN INDUSTRIES	000800	1	0800	SAMWHAN CAMUS CO., LTD.	001370	1	2100
SAEHAN MEDIA CO., LTD.	000507	1	1000	SAMYANG GENEX	000394	1	0700
SAEHAN MERCHANT BANKING CORPORATION	001196	1	2429	SAMYANG HEAVY MACHINERY CO., LTD.	000872	1	1400
SAJO INDUSTRIES CO., LTD.	000716	1	0500	SAMYUNG TRADING CO., LTD.	000281	1	1900
SAM HO CO., LTD.	001115	1	1900	SANG LIM LEATHER CO., LTD.	001142	1	1800
SAM HWA CROWN & CLOSURE CO., LTD.	000445	1	1400	SANG-A PHARM. CO., LTD.	000628	1	1100
SAM HWA ELECTRONICS CO. LTD.	001123	1	1500	SE GYE CORPORATION	000406	1	1900

## LIST OF COMPANIES BY COMPANY NAME – KOREA

APPENDIX D - KS.7

COMPANY NAME	COID	STKTYP	INDID	COMPANY NAME	COID	STKTYP	INDID
SEAH HOLDING	005865	1	3000	SHINSUNG INDUSTRIAL CO., LTD.	000615	1	1500
SEAH STEEL CORPORATION	000303	1	1300	SHINWHA ENGINEERING & CONSTRUCTION CO., LTD.	000616	1	2100
SEJONG SECURITIES	001642	1	2427	SHINWON	000927	1	0800
SEJONG SECURITIES	001651	1	1900	SHINYOUNG WACOAL INC.	000580	1	0800
SEO JIN FOODS CO.,LTD.	001601	1	0700	SILLA TRADING CO., LTD.	000497	1	0500
SEO KWANG CONSTRUCTION CO., LTD.	000160	1	2100	SIMPAC INC	000916	1	1400
SEONDO ELECTRIC CO., LTD.	000761	1	1500	SIN JUNG PAPER MFG. CO., LTD.	003523	1	0900
SEONG AN CO., LTD.	001130	1	0800	SINDO RICOH	002953	1	1500
SEOUL BANK	000286	1	2425	SINSEGYE MERCHANT BANK	001669	1	2429
SEOUL CITY GAS	001739	1	2000	SJM	002553	1	1700
SEOUL FOODS IND. CO., LTD.	000441	1	0700	SK	000360	1	1000
SEOUL KYOTONG CORPORATION	008100	1	3000	SK GAS	001867	1	1900
SEOUL MUTUAL SAVINGS & FINANCE	001656	1	2429	SK GLOBAL CO LTD	000174	1	1900
SEOUL SECURITIES CO., LTD.	000120	1	2427	SK TELECOM	001767	1	2300
SEOWON	002105	1	1300	SKC	001179	1	1000
SEPOONG CORPORATION	000102	1	0900	SMARTEL CORPORATION	000419	1	1500
SERIM PAPER MFG	002797	1	0900	SNG21 CORPORATION	000705	1	1400
SESHIN COMMERCIAL CO., LTD.	000423	1	1400	SONG WON COLOR	001145	1	1000
SEWON CHEMICAL	000791	1	1000	SONG WOUN INDUSTRIAL CO., LTD.	000443	1	1000
SEWON HEAVY MACHINERY	002396	1	1400	SOOSAN HEAVY IND. CO., LTD.	001755	1	1400
SEWON PRECISION INDUSTRY	002182	1	1700	SSANG BANG WOOL LIMITED	000890	1	0800
SEWOO POLYMER CO., LTD.	001300	1	1900	SSANG YONG CORPORATION	000125	1	1900
SEYANG INDUSTRIAL	001324	1	0800	SSANGYONG CEMENT IND. CO., LTD.	000341	1	1200
SEYANG SHIPPING CO., LTD.	000079	1	2200	SSANGYONG FIRE & MARINE INSURANCE CO., LTD.	000054	1	2428
SHIN CHON FEED CO., LTD.	000804	1	0700	SSANGYONG MERCHANT BANKING	001449	1	2429
SHIN DONG BANG CORPORATION	000466	1	0700	SSANGYONG MOTOR CO., LTD.	000362	1	1700
SHIN HAN ENGINEERING & CONSTRUCTION CO., LTD.	000545	1	2100	SSANGYONG PAPER CO., LTD.	000510	1	0900
SHIN HEUNG SECURITIES CO., LTD.	000150	1	2427	STARCO CO. LTD	001502	1	1400
SHIN HO PAPER	001219	1	0900	STC CORPORATION	000115	1	1000
SHIN HO PAPER MFG. CO., LTD.	000719	1	0900	STX CORPORATION CO LTD	001181	1	1400
SHIN HUNG LUMBER	009992	1	0900	SU-HEUNG CAPSULE CO., LTD.	000849	1	1000
SHIN HWA CO., LTD.	001664	1	1800	SUDO PHARMACEUTICAL IND. CO., LTD.	000472	1	1100
SHIN KANG PAPER MFG. CO., LTD.	003521	1	0900	SUKWANG CORPORATION	000326	1	1900
SHIN KWANG IND. CO., LTD.	000541	1	0800	SUN CHANG CORPORATION	000282	1	0900
SHIN POONG PAPER MFG. CO., LTD.	000287	1	0900	SUN JIN CO., LTD	001430	1	0700
SHIN POONG PHARMACEUTICAL CO., LTD.	001917	1	1100	SUN KYONG SECURITIES CO.,LTD.	000151	1	2427
SHIN SUNG CORPORATION	000197	1	2100	SUNG CHANG ENTERPRISE CO., LTD.	000018	1	0900
SHIN SUNG ENG	001193	1	1400	SUNG DO APPAREL CO., LTD.	001258	1	0800
SHIN SUNG TONG SANG CO., LTD.	000539	1	1900	SUNG HWA CORPORATION.	003352	1	0800
SHIN WOO CO., LTD.	002562	1	1900	SUNGBO CHEMICAL CD., LTD.	000308	1	1000
SHIN YOUNG SECURITIES CO., LTD.	000172	1	2427	SUNGJEE CONSTRUCTION CO., LTD.	000598	1	2100
SHINDAEYANG PAPER CO., LTD.	001659	1	0900	SUNGLEE MACHINERY WORKS, LTD.	006055	1	1500
SHINDONGBANG MEDIX	000306	1	1100	SUNGMOON ELECTRONICS CO., LTD.	001491	1	1500
SHINHAN BANK	001558	1	2425	SUNGSHIN CEMENT MANUFACTURING CO.,LTD.	000498	1	1200
SHINHAN FINANCIAL GROUP	005555	1	2429	SUNGWON CONSTRUCTION CO., LTD.	001209	1	2100
SHINHAN INTERNATIONAL LTD.	007848	1	1900	SUNJIN METALS	001857	1	1300
SHINHAN INVESTMENT BANK	001635	1	2429	SUNKYONG INDUSTRIES LIMITED.	000612	1	1000
SHINHAN SECURITIES CO., LTD.	000332	1	2427	SUNNY-EMI CO., LTD.	000477	1	1500
SHINHO ELECTRONIC & COMMUNICATION	000819	1	1800	TAE CHANG CO., LTD.	000854	1	0800
SHINHO PETROCHEMICAL CORPORATION	000236	1	1000	TAE GU DEPARTMENT STORE	000637	1	1900
SHINHO STEEL CO., LTD.	000501	1	1300	TAE HEUNG LEATHER INC.	001668	1	1800
SHINHUNG CO., LTD.	000408	1	1600	TAE HWA CO., LTD.	000051	1	2100
SHINHWA SILUP CO., LTD.	000177	1	1300	TAE IL MEDIA CO., LTD.	001732	1	1500
SHINIL ENGINEERING CO., LTD.	001435	1	2100	TAE KWANG INDUSTRIAL CO., LTD.	000324	1	1000
SHINIL INDUSTRIAL CO., LTD.	000270	1	1400	TAE KYUNG INDUSTRIAL	001589	1	1000
SHINKWANG ENTERPRISE CO., LTD.	000158	1	1500	TAE WON MULSAN CO., LTD.	000142	1	1200
SHINMOORIM PAPER MFG. CO., LTD.	000920	1	0900	TAE YANG METAL IND. CO., LTD.	000410	1	1700
SHINSEGAE CO., LTD.	000417	1	1900	TAE YOUNG CORP.	000941	1	2100

LIST OF COMPANIES BY COMPANY NAME – KOREA

APPENDIX D - KS.8

COMPANY NAME	COID	STKTYP	INDID	COMPANY NAME	COID	STKTYP	INDID
TAE-CHANG ENTERPRISE CO., LTD.	000749	1	0800	WHAN IN PHARM.	001658	1	1100
TAEGU MERCHANT BANK	001439	1	2429	WISCOM CO LTD	002407	1	1000
TAEHWA SHOPPING CO., LTD.	001588	1	1900	WONLIM CORPORATION	000582	1	0800
TAESUNG MACHINERY & CONSTRUCTION CO., LTD.	000931	1	1400	WOO CHANG CONSTRUCTION	007512	1	2100
TAI-YUNG PAPER BOARD MFG. CO., LTD.	001194	1	0900	WOO DAN CORPORATION	003252	1	0800
TAIHAN ELECTRIC WIRE CO., LTD.	000144	1	1500	WOO JIN ELECTRIC CO., LTD.	006426	1	1500
TAIHAN SUGAR INDUSTRIAL CO., LTD.	000179	1	0700	WOO SAENG CORPORATION	003167	1	0800
TAIHAN TEXTILE CO., LTD.	000107	1	0800	WOO SUNG CONSTRUCTION CO., LTD.	000864	1	2100
TAILIM PACKAGING IND.CO., LTD.	001128	1	0900	WOO SUNG FEED CO., LTD.	000698	1	0700
TBK ELECTRONICS	001240	1	1500	WOO SUNG FOOD CO., LTD.	000621	1	0700
THE ABLE INC	000319	1	1900	WOOBANG HOUSING & CONSTRUCTION	001320	1	2100
THE BANK OF CHEJU, LTD.	000622	1	2425	WOONGJIN CONWAY	002124	1	1400
THE CENTURY CO., LTD.	000242	1	3000	WOONGJIN PUBLICING CO., LTD.	001688	1	1800
THE DAEGU BANK, LTD.	000527	1	2425	YANG WOO OXIDE CHEMICAL CO., LTD.	003711	1	1000
THE FIRST MUTUAL SAVINGS & FINANCE	002410	1	2429	YEONG HWA METAL CO., LTD.	001228	1	1700
THE JEON BUK BANK, LTD.	000635	1	2425	YEUNGNAM MERCHANT BANKING CORPORATION	002496	1	2426
THE KANGWON BANK, LTD.	000659	1	2425	YOOSUNG ENTERPRISE CO., LTD.	000292	1	1700
THE KOREA EXPRESS CO., LTD.	000012	1	2200	YOOSUNG METAL	002487	1	1400
THE KWANGJU BANK, LTD.	000577	1	2425	YOUL CHON CHEMICAL CO., LTD.	000873	1	1000
THE SIN DONG-AH FIRE & MARINE INSURANCE CO., LTD.	000037	1	2428	YOUNG CHANG AKKI CO., LTD.	000189	1	1800
THE WILL BES	000860	1	1900	YOUNG POONG CORPORATION	000067	1	1300
TONG KOOK SPINNING CO., LTD.	001118	1	0800	YOUNG POONG MINING & CONSTRUCTION CORP.	000285	1	0600
TONG YANG CONFECTIONERY CORP.	000180	1	0700	YOUNG POONG PAPER MFG	000674	1	0900
TONG YANG INVESTMENT BANK	000347	1	2427	YOUNG WOO & CORPORATION	000918	1	2200
TONG YANG INVESTMENT BANK	000898	1	2426	YOUNGBO CHEMICAL	001444	1	1000
TONG YANG MAJOR CORP.	000152	1	1200	YOUNGCHANG SILUP	001060	1	1800
TONG-IL HEAVY INDUSTRIES CO., LTD.	000357	1	1700	YOUNGONE COMMUNICATIONS CO., LTD.	006286	1	1400
TONGKOOK CORPORATION	000442	1	0800	YOUNGONE CORPORATION	000997	1	1900
TONGKOOK GENERAL ELECTRONICS CO., LTD.	001222	1	1500	YU HWA CORPORATION	000569	1	0800
TONGYANG MOOLSAN	000290	1	1400	YU YU INDUSTRIAL CO., LTD.	000022	1	1100
TRI GEM COMPUTER INC.	001490	1	1500	YUHAN CORPORATION	000010	1	1100
UNI CHEM CO LTD	001133	1	1800	YUHWA SECURITIES CO., LTD.	000346	1	2427
UNIMO TECHNOLOGY CO LTD	000712	1	1500	YUNG JIN PHARM. CO., LTD.	000352	1	1100
UNION	000091	1	1200	YUNG TAI ELETRONICS IND CO., LTD.	006418	1	1500
UNION STEEL MANUFACTURING CO., LTD.	000364	1	1300	YUSUNG CO., LTD.	000234	1	0800
VIVIEN CORPORATION	000207	1	0800	YUYANG IFORMATION & COMMUNICATION CO., LTD.	001169	1	1500
WHACHEON MACHINERY WORKS CO., LTD.	001066	1	1400	ZINUS INC	001389	1	1900



## LIST OF COMPANIES BY COMPANY ID – KOREA

APPENDIX E – KS.1

COID	STKTYP	COMPANY NAME	INDID	COID	STKTYP	COMPANY NAME	INDID
000001	1	CHOHEONG BANK	2425	000084	1	HAN KOOK BELT CO., LTD.	1000
000002	1	DONG WHA PHARM. IND. CO., LTD.	1100	000085	1	HWACHEN MACHINE TOOL	1400
000003	1	HANVIT BANK	2425	000086	1	KUNSUL CHEMICAL IND. CO., LTD.	1000
000004	1	HYOSUNG MOTORS & MACHINERY	1700	000088	1	HANWHA CORPORATION	1000
000005	1	KYUNG BANG LIMITED	0800	000089	1	BO HAE BREWERY CO., LTD.	0700
000006	1	ORIENTAL FIRE & MARINE INSURANCE CO., LTD.	2428	000090	1	KANG WON INDUSTRIES, LTD.	1300
000007	1	SAM YANG CO., LTD.	0700	000091	1	UNION	1200
000008	1	JINRO LIMITED	0700	000093	1	HANWHA MACHINERY CO., LTD.	1400
000009	1	DOOSAN CORPORATION	1900	000095	1	CHONBANG CO., LTD.	0800
000010	1	YUHAN CORPORATION	1100	000097	1	KOREA CAST IRON PIPE IND. CO., LTD.	1300
000011	1	KOREA FIRST BANK	2425	000098	1	KUK DONG ENGINEERING & CONSTRUCTION CO., LTD.	2100
000012	1	THE KOREA EXPRESS CO., LTD.	2200	000099	1	DONGBU HANNONG CHEMICAL	1000
000013	1	HANIL BANK	2425	000102	1	SEPOONG CORPORATION	0900
000014	1	HITE BREWERY	0700	000103	1	REGENT INSURANCE CCO LTD	2428
000015	1	DOOSAN	0700	000104	1	CHEIL JEDANG	0700
000016	1	KOREA TUNGSTSEN MINING CO., LTD.	1400	000106	1	CHOONG WAE PHARMA. CORP.	1100
000017	1	LG METALS CORPORATION	1300	000107	1	TAIHAN TEXTILE CO., LTD.	0800
000018	1	SUNG CHANG ENTERPRISE CO., LTD.	0900	000108	1	MAN HO ROPE MANUFACTURING CO., LTD.	1300
000020	1	DAEWOO HEAVY INDUSTRIES LTD.	1400	000109	1	DONG SUH SECURITIES CO., LTD.	2427
000021	1	DAERIM INDUSTRIAL CO., LTD.	2100	000111	1	DAI NONG CORPORATION	0800
000022	1	YU YU INDUSTRIAL CO., LTD.	1100	000112	1	LG INTERNATIONAL CORP.	1900
000023	1	IL DONG PHARM. CO., LTD.	1100	000113	1	DAE HAN FLOUR MILLS CO., LTD.	0700
000024	1	HANKOOK TIRE MFG. CO., LTD.	1000	000114	1	KUKBO TRANSPORTATION CO., LTD.	2200
000027	1	KIA MOTORS CORPORATION	1700	000115	1	STC CORPORATION	1000
000028	1	DONG-AH CONSTRUCTION IND. CO., LTD.	2100	000116	1	JEIL MOOLSAN CO., INC.	1000
000030	1	DOORAY AIR METAL	1300	000117	1	KLB SECURITIES CO., LTD.	2427
000031	1	HAI TAI CONFECTIONERY CO., LTD.	0700	000119	1	DAE YU CO., LTD.	0800
000032	1	DPI CO LTD	1000	000120	1	SEOUL SECURITIES CO., LTD.	2427
000033	1	DOOSAN BAEK WHA CO., LTD.	0700	000121	1	KUMHO ELECTRIC INC.	1500
000036	1	SAM WHAN CORPORATION	2100	000123	1	DONGKUK STEEL MILL CO., LTD.	1300
000037	1	THE SIN DONG-AH FIRE & MARINE INSURANCE CO., LTD.	2428	000125	1	SSANG YONG CORPORATION	1900
000039	1	SAM HWA PAINTS INDUSTRIAL CO., LTD.	1000	000126	1	NAMKWANG ENGINEERING & CONSTRUCTION CO., LTD.	2100
000040	1	DAEHAN FIRE & MARINE INSURANCE CO., LTD.	2428	000127	1	BOO KOOK SECURITIES CO., LTD.	2427
000042	1	ROCKET ELECTRIC CO., LTD.	1500	000128	1	HANIL SECURITIES CO., LTD.	2427
000043	1	DAE WON KANG UP CO., LTD.	1700	000129	1	REGENT SECURITIES	2427
000045	1	HAN JOO CORPORATION	1900	000130	1	CHEIL INDUSTRIES INC.	1000
000047	1	INTERNATIONAL FIRE & MARINE INSURANCE CO., LTD.	2428	000131	1	POONG LIM INDUSTRIAL CO., LTD.	2100
000048	1	CHOSUN REFRACTORIES CO., LTD.	1200	000134	1	PAIK KWANG INDUSTIRAL CO., LTD.	1000
000049	1	DAE DONG INDUSTRIAL CO., LTD.	1400	000135	1	DAIHAN WOOL TEXTILE CORP.	0800
000050	1	HEE SUNG CABLE CO., LTD.	1500	000136	1	SAM SUNG PHARM. IND. CO., LTD.	1100
000051	1	TAE HWA CO., LTD.	2100	000137	1	FnC KOLON CORP.	1900
000052	1	SAMIL PHARM. CO., LTD.	1100	000138	1	CHOONG NAM SPINNING CO., LTD.	0800
000054	1	SSANGYONG FIRE & MARINE INSURANCE CO., LTD.	2428	000139	1	KYUNGGI CHEMICAL INDUSTRIAL CO., LTD.	1000
000057	1	KUMHO CONSTRUCTION ENGINEERING INC.	2100	000140	1	DONG SAN C&G LTD.	1000
000059	1	CHOSUN STEEL WIRE CO., LTD.	1400	000142	1	TAE WON MULSAN CO., LTD.	1200
000061	1	FIRST FIRE & MARINE INSURANCE CO., LTD.	2428	000143	1	KIA STEEL CO., LTD.	1300
000064	1	DONG-A PHARM. CO., LTD.	1100	000144	1	TAIHAN ELECTRIC WIRE CO., LTD.	1500
000065	1	CHUNIL EXPRESS CO., LTD.	2200	000145	1	HYUNDAI MARINE & FIRE INSURANCE CO., LTD.	2428
000066	1	HYNIX SEMICONDUCTOR INC	1500	000146	1	BYC CO., LTD.	0800
000067	1	YOUNG POONG CORPORATION	1300	000147	1	SAMBU CONSTRUCTION CO., LTD.	2100
000068	1	KUKJE CORPORATION	1900	000149	1	CHUN JI INDUSTRIAL CO., LTD.	1900
000070	1	HANJIN SHIPPING CO., LTD.	2200	000150	1	SHIN HEUNG SECURITIES CO., LTD.	2427
000072	1	HYUNDAI ENGINEERING & CONSTRUCTION CO., LTD.	2100	000151	1	SUN KYONG SECURITIES CO., LTD.	2427
000076	1	IFA INDUSTRIAL CO., LTD.	1000	000152	1	TONG YANG MAJOR CORP.	1200
000079	1	SEYANG SHIPPING CO., LTD.	2200	000153	1	DONG IL CORPORATION	0800
000080	1	KEANG NAM ENTERPRISES LTD.	2100	000155	1	CHO BI CO., LTD.	1000
000081	1	SAMSUNG FIRE & MARINE INSURANCE CO., LTD.	2428	000157	1	KUM YANG CO., LTD.	1000
000083	1	SAMSUNG CORPORATION	1900	000158	1	SHINKWANG ENTERPRISE CO., LTD.	1500

## LIST OF COMPANIES BY COMPANY ID – KOREA

APPENDIX E – KS.2

COID	STKTYP	COMPANY NAME	INDID	COID	STKTYP	COMPANY NAME	INDID
000159	1	IL HWA WOOL TEXTILE INDUSTRIAL CO.,LTD.	0800	000255	1	LG INSURANCE CO., LTD.	2428
000160	1	SEO KWANG CONSTRUCTION CO., LTD.	2100	000258	1	SAMMI CORPORATION	1900
000162	1	DONGKOOK IND. CO., LTD.	1700	000260	1	CHO HEUNG CHEMICAL IND. CO., LTD.	0700
000163	1	CHONG KUN DANG CORP.	1100	000261	1	LG ELECTRONICS INC.	1500
000167	1	KYUNGNAM WOOL TEXTILE CO., LTD	0800	000262	1	JE IL PHARM. CO., LTD.	1100
000168	1	DAESANG	0700	000263	1	ORIENT CO., LTD.	1600
000169	1	DOOSAN TECHPACK CO., LTD	1200	000270	1	SHINIL INDUSTRIAL CO., LTD.	1400
000170	1	KONG YUNG CONSTRUCTION CO., LTD.	2100	000271	1	DONG YANG TINPLATE CO., LTD.	1300
000172	1	SHIN YOUNG SECURITIES CO., LTD.	2427	000272	1	KUKJE PHARM.INDUSTRIAL CO., LTD.	1100
000174	1	SK GLOBAL CO LTD	1900	000273	1	CORYO SECURITIES CORPORATION	2427
000175	1	HANYANG SECURITIES CO., LTD.	2427	000274	1	ORIENTAL CHEMICAL IND. CO., LTD.	1000
000177	1	SHINHWA SILUP CO., LTD.	1300	000276	1	BOLAK CO., LTD.	1000
000178	1	DONG YANG GANG CHUL CO., LTD.	1300	000278	1	CHIN HUNG INTERNATIONAL INC.	2100
000179	1	TAIHAN SUGAR INDUSTRIAL CO., LTD.	0700	000279	1	PACIFIC CO., LTD.	1000
000180	1	TONG YANG CONFECTIONERY CORP.	0700	000281	1	SAMYUNG TRADING CO., LTD.	1900
000182	1	SAM WHA CAPACITOR CO., LTD.	1500	000282	1	SUN CHANG CORPORATION	0900
000183	1	ANAM SEMICONDUCTOR	1500	000284	1	MIWON COMMERCIAL CO., LTD.	1000
000188	1	SAMHO INTERNATIONAL CO., LTD.	2100	000285	1	YOUNG POONG MINING & CONSTRUCTION CORP.	0600
000189	1	YOUNG CHANG AKKI CO., LTD.	1800	000286	1	SEOUL BANK	2425
000192	1	HANBO STEEL & CONSTRUCTION CO., LTD.	1300	000287	1	SHIN POONG PAPER MFG. CO., LTD.	0900
000193	1	HYOSUNG CORPORATION	1900	000288	1	JOONGANG TEXTILE FINISHING CO., LTD.	0800
000194	1	KOREA IRON & STEEL CO., LTD.	1300	000290	1	TONGYANG MOOLSAN	1400
000195	1	NAM HAN PAPER MANUFACTURING CO., LTD.	0900	000291	1	JINSUNG REMICON CO., LTD.	1200
000197	1	SHIN SUNG CORPORATION	2100	000292	1	YOOSUNG ENTERPRISE CO., LTD.	1700
000198	1	DAE HO CONSTRUCTION CO., LTD.	2100	000293	1	SAMDO CORPORATION	0800
000200	1	HANKOOK GLASS INDUSTRIES INC.	1200	000294	1	KYUNG DONG IND. CO., LTD.	1300
000202	1	KOLON INDUSTRIES, INCORPORATED.	1000	000295	1	DOO SAN CONSTRUCTION & ENGINEERING CO., LTD.	2100
000203	1	ASIA CEMENT MANUFACTURING CO., LTD.	1200	000296	1	HANKOOK SHELL OIL CO., LTD.	1000
000205	1	KYONG HYANG CONSTRUCTION CO., LTD.	2100	000299	1	KUMHO TIRE CO., LTD.	1000
000207	1	VIVIEN CORPORATION	0800	000300	1	BU KWANG PHARMACEUTICAL CO., LTD.	1100
000208	1	BYUCK SAN DEVELOPMENT CO., LTD.	2100	000301	1	HAE IN CORPORATION	1900
000210	1	KYUNG NONG CORPORATION	1000	000302	1	NAM YANG CORP.	0800
000213	1	PEERES COSMETICS. LTD.	1000	000303	1	SEAH STEEL CORPORATION	1300
000214	1	KOREA INDUSTRIAL CO., LTD.	0700	000304	1	HANIL PHARMACEUTICAL IND. CO., LTD.	1100
000217	1	SAM YANG TONG SANG CO., LTD.	1900	000305	1	NEXANS KOREA, LTD	1500
000218	1	SAM ICK CONSTRUCTION CO., LTD.	2100	000306	1	SHINDONGBANG MEDIX	1100
000220	1	KOREA EXPORT PACKAGING IND. CO., LTD.	0900	000307	1	KOLON CONSTRUCTION CO., LTD.	2100
000221	1	DONG SUNG PHARM. CO., LTD.	1100	000308	1	SUNGBO CHEMICAL CD., LTD.	1000
000222	1	HAN IL IRON & STEEL CO., LTD.	1300	000309	1	DAE WOONG PHARMACEUTICAL CO., LTD.	1100
000224	1	KOREA IRON & STEEL WIRE CO., LTD.	1300	000311	1	DAEIL CHEMICAL CO., LTD.	1100
000225	1	KEUN WHA PHARM. CO., LTD.	1100	000312	1	IISUNG PHARMACEUTICAL	1100
000227	1	LOTTE SAM KANG CO., LTD.	0700	000316	1	DI	1600
000230	1	HANKUK PAPER MANUFACTURING CO., LTD.	0900	000319	1	THE ABLE INC	1900
000231	1	ASIA PAPER MANUFACTURING CO., LTD.	0900	000320	1	ILSHIN SPINNING CO., LTD.	0800
000232	1	HAN JIN TRANSPORTATION CO., LTD.	2200	000322	1	DAEWON PHARMACEUTICAL	1100
000234	1	YUSUNG CO., LTD.	0800	000323	1	SAM YANG FOODS CO., LTD.	0700
000235	1	NEXEN TIRE CORPORATION	1000	000324	1	TAE KWANG INDUSTRIAL CO., LTD.	1000
000236	1	SHINHO PETROCHEMICAL CORPORATION	1000	000326	1	SUKWANG CORPORATION	1900
000238	1	KUMGANG KOREA CHEMICAL CO LTD	1000	000328	1	HEUNG-A SHIPPING CO., LTD.	2200
000239	1	HAN DOK REMEDIA IND. CO., LTD.	1100	000329	1	ENK TELECOM. CORP.	1500
000241	1	PUM YANG CONSTRUCTION CO., LTD.	2100	000330	1	HANIL CEMENT MANUFACTURING CO., LTD.	1200
000242	1	THE CENTURY CO., LTD.	3000	000332	1	SHINHAN SECURITIES CO., LTD.	2427
000244	1	MIWON CO., LTD.	0700	000333	1	HANA SECURITIES	2427
000245	1	SAMICK MUSICAL INSTRUMENTS CO., LTD.	1800	000335	1	HAN KOOK COSMETICS CO., LTD.	1000
000246	1	HWA SUNG INDUSTRIAL CO., LTD.	1900	000341	1	SSANGYONG CEMENT IND. CO., LTD.	1200
000247	1	DONG SUNG CO., LTD.	2100	000345	1	HYUNDAI SECURITIES CO., LTD.	2427
000253	1	BYUCK SAN ENGINEERING & CONSTRUCTION CO., LTD.	2100	000346	1	YUHWA SECURITIES CO., LTD.	2427
000254	1	KOREAN GINSENG PRODUCTS CO., LTD.	0700	000347	1	TONG YANG INVESTMENT BANK	2427

## LIST OF COMPANIES BY COMPANY ID – KOREA

APPENDIX E – KS.3

COID	STKTYP	COMPANY NAME	INDID	COID	STKTYP	COMPANY NAME	INDID
000348	1	HANJIN HEAVY INDUSTRIES CO., LTD.	1700	000439	1	ORION ELECTRIC CO., LTD.	1500
000349	1	KOREA AIR LINES CO., LTD.	2200	000441	1	SEOUL FOODS IND. CO., LTD.	0700
000350	1	SAM JIN CHEMICAL CO., LTD.	1000	000442	1	TONGKOOK CORPORATION	0800
000352	1	YUNG JIN PHARM. CO., LTD.	1100	000443	1	SONG WOUN INDUSTRIAL CO., LTD.	1000
000353	1	HAN WHA SECURITIES	2427	000445	1	SAM HWA CROWN & CLOSURE CO., LTD.	1400
000354	1	DAISHIN SECURITIES CO., LTD.	2427	000446	1	KOHAP LTD.	1000
000355	1	LG CHEMICAL INVESTMENT LTD.	3000	000449	1	GROBAL & YUASA BATTERY CO., LTD.	1500
000356	1	PACIFIC FASHION CO., LTD.	1900	000451	1	DONG YANG ELEVATOR	1400
000357	1	TONG-IL HEAVY INDUSTRIES CO., LTD.	1700	000453	1	CHUN KWANG IND. CO., LTD.	0700
000358	1	DONGWON CORPORATION	0600	000454	1	DAE HAN PULP CO., LTD.	0900
000359	1	KWANG DUK MOOLSAN CO., LTD.	0800	000455	1	DAEWOO MOTOR SALES CO., LTD.	1900
000360	1	SK	1000	000456	1	SAMMI STEEL CO., LTD.	1300
000361	1	PANG RIM CO., LTD	0800	000460	1	DOOSAN BEVERAGE CO., LTD.	0700
000362	1	SSANGYONG MOTOR CO., LTD.	1700	000462	1	CAMBRIDGE MEMBERS	0800
000364	1	UNION STEEL MANUFACTURING CO., LTD.	1300	000466	1	SHIN DONG BANG CORPORATION	0700
000365	1	MICHANG OIL IND. CO., LTD.	1000	000469	1	SAMCHULLY CO., LTD.	2000
000366	1	KORYO CEMENT MANUFACTURING CO., LTD.	1200	000470	1	CHO KWANG LEATHER CO., LTD.	1800
000368	1	HANSUNG ENTERPRISE CO., LTD.	0700	000471	1	HANSOL ELECTRONICS CO., LTD	1500
000369	1	KOREAN REINSURANCE CO., LTD.	2428	000472	1	SUDO PHARMACEUTICAL IND. CO., LTD.	1100
000372	1	SAM YUNG CHEMICAL CO., LTD.	1000	000473	1	JINRO GENERAL FOODS CO., LTD.	0700
000378	1	CHIN YANG CORPORATION	1000	000474	1	BORNEO INTERNATIONAL FURNITURE CO., LTD.	1800
000381	1	DAEWOO CORPORATION	1900	000477	1	SUNNY-EMI CO., LTD.	1500
000383	1	DAE HAN SYNTHETIC FIBER CO., LTD.	1000	000480	1	HYOSUNG	1000
000384	1	CHUNG WON CORPORATION	0800	000482	1	HANKOOK METAL INDUSTRIAL CO., LTD.	1300
000385	1	BORYUNG PHARMACEUTICAL CO., LTD.	1100	000483	1	DUCK SUNG CHEMICAL CO., LTD.	1000
000390	1	HAE TAI DAIRY CO., LTD.	0700	000484	1	DONG IL RUBBER BELT CO., LTD.	1000
000392	1	NAM YANG DAIRY PRODUCTS CO., LTD.	0700	000487	1	HUNEX	1900
000393	1	BOO HUNG CO., LTD.	0800	000491	1	CHOKWANG PAINT LTD.	1000
000394	1	SAMYANG GENEX	0700	000492	1	SAM YUNG WOOL TEXTILE INDUSTRIAL CO., LTD.	0800
000396	1	DAE RIM CO., LTD.	0700	000494	1	KOREA EXCHANGE BANK	2425
000397	1	DONG BU CORPORATION	1900	000496	1	HANSHIN CONSTRUCTION CO., LTD.	2100
000398	1	HANIL SYNTHETIC FIBER CO., LTD.	0800	000497	1	SILLA TRADING CO., LTD.	0500
000399	1	NEW STAR TRADING CO., LTD.	1900	000498	1	SUNGSHIN CEMENT MANUFACTURING CO.,LTD.	1200
000400	1	SAMSUNG FINE CHEMICALS CO., LTD.	1000	000499	1	LOTTE CONFECTIONERY CO., LTD.	0700
000401	1	MIDOPA CO., LTD.	1900	000500	1	NAMSUN MOOLSAN CO., LTD.	0800
000402	1	INI STEEL COMPANY	1300	000501	1	SHINHO STEEL CO., LTD.	1300
000406	1	SE GYE CORPORATION	1900	000502	1	KOREA LONG TERM CREDIT BANK	2425
000408	1	SHINHUNG CO., LTD.	1600	000503	1	PUSAN CAST IRON CO., LTD.	1700
000409	1	KOREA PETROLEUM IND. CO., LTD.	1200	000504	1	DOOSAN MACHINERY CO., LTD.	1400
000410	1	TAE YANG METAL IND. CO., LTD.	1700	000506	1	DAEWOO TELECOM CO.,LTD.	1500
000411	1	DAE SUN DISTILLING CO., LTD.	0700	000507	1	SAEHAN MEDIA CO., LTD.	1000
000413	1	DAE DUCK INDUSTRIAL CO., LTD.	1500	000509	1	SAM KWANG GLASS IND. CO., LTD.	1200
000414	1	DONGBANG TRANSPORT & LOGISTICS	2200	000510	1	SSANGYONG PAPER CO., LTD.	0900
000415	1	HANSOL PAPER CO., LTD.	0900	000511	1	HAN CHANG CORPORATION	1500
000417	1	SHINSEGAE CO., LTD.	1900	000518	1	BING-GRAE CO., LTD.	0700
000419	1	SMARTEL CORPORATION	1500	000519	1	DONG SUNG CHEMICAL CO., LTD.	1000
000420	1	KOREA DEVELOPMENT CORPORATION	2100	000525	1	KOREA GREEN CROSS CORPORATION	1100
000421	1	HAN-IL TEXTILE CO., LTD.	0800	000527	1	THE DAEGU BANK, LTD.	2425
000423	1	SESHIN COMMERCIAL CO., LTD.	1400	000528	1	PUSAN BANK.	2425
000425	1	NATIONAL PLASTIC CO., LTD.	1000	000530	1	LOTTE CHILSUNG BEVERAGE CO., LTD.	0700
000426	1	DAESUNG RESOURCES CO., LTD.	0600	000532	1	KUKDONG CO.	1900
000427	1	NAMSUNG CORPORATION	1900	000533	1	KOREA AUTOMOTIVE SYSTEMS CO LTD	1700
000428	1	ASIA MOTORS CO., INC.	1700	000535	1	BONG SHIN CASTING & MACHINERY CO., LTD.	1400
000429	1	IK ENTERPRISES	1900	000536	1	MON AMI CO., LTD.	1800
000431	1	HYUNDAI PHARM. IND. CO., LTD.	1100	000538	1	HYUNDAI MOTOR CO., LTD.	1700
000436	1	GLOBAL ENTERPRISES LTD.	2200	000539	1	SHIN SUNG TONG SANG CO., LTD.	1900
000437	1	NONG SHIM CO., LTD.	0700	000541	1	SHIN KWANG IND. CO., LTD.	0800
000438	1	SAMICK LMS CO., LTD.	1400	000542	1	HANKOOK TITANIUM IND.CO. LTD.	1000

## LIST OF COMPANIES BY COMPANY ID – KOREA

APPENDIX E – KS.4

COID	STKTYP	COMPANY NAME	INDID	COID	STKTYP	COMPANY NAME	INDID
000543	1	KOREA AIR TERMINAL SERVICE CO., LTD.	2200	000644	1	HANIL CONSTRUCTION CO., LTD.	2100
000544	1	HYUNDAI DEPARTMENT STORE CO LTD	1900	000649	1	BRAIN TECHNOLOY INDUSTRIES	1600
000545	1	SHIN HAN ENGINEERING & CONSTRUCTION CO., LTD.	2100	000657	1	DAELIM TRADING CO., LTD.	1400
000549	1	POHANG IRON & STEEL CO., LTD.	1300	000659	1	THE KANGWON BANK, LTD.	2425
000550	1	SAMJIN PHARAMACEUTICAL CO., LTD.	1100	000660	1	DONG SHIN PHARMACEUTICAL CO., LTD.	1100
000551	1	CHUNG CHONG BANK LTD.	2425	000661	1	KYONGNAM BANK	2425
000556	1	JINRO IND.	1500	000665	1	KOREA PETROCHEMICAL IND	1000
000558	1	SAMICK CORPORATION	2100	000666	1	SAMSUNG CLIMATE CONTROL CO LTD	1700
000560	1	CHOONG ANG PAPER MFG. CO., LTD.	0900	000674	1	YOUNG POONG PAPER MFG	0900
000561	1	SAM LIP GENERAL FOODS IND CO., LTD.	0700	000675	1	CENTURY CO., LTD.	1400
000562	1	DAE SUNG INDUSTRIAL CO., LTD.	1900	000679	1	MIWON TRADING & SHIPPING CO., LTD.	1900
000566	1	HANIL ENGINEERING & CONSTRUCTION CO., LTD.	2100	000680	1	DAEWOO SECURITIES CO., LTD.	2427
000568	1	SAM YOUNG ELECTRONICS CO., LTD.	1500	000684	1	AEKYUNG PETROCHEMICAL	1000
000569	1	YU HWA CORPORATION	0800	000698	1	WOO SUNG FEED CO., LTD.	0700
000572	1	HEUNG AH TIRE & RUBBER CO., LTD.	1000	000700	1	HANJOO ELECTRONICS CO., LTD.	1500
000574	1	CROWN CONFECTIONERY CO., LTD.	0700	000705	1	SNG21 CORPORATION	1400
000575	1	DAELIM CERAMIC CO., LTD.	1200	000710	1	HONAM FOODS CO., LTD.	0700
000576	1	ACTS CORPORATION	0800	000711	1	IL SHIN STONE CO., LTD.	1200
000577	1	THE KWANGJU BANK, LTD.	2425	000712	1	UNIMO TECHNOLOGY CO LTD	1500
000579	1	MANDO MACHINERY CORP.	1700	000716	1	SAJO INDUSTRIES CO., LTD.	0500
000580	1	SHINYOUNG WACOAL INC.	0800	000717	1	KIA MOTORS SERVICE CO., LTD.	1900
000581	1	POONGSAN CORPORATION	1300	000719	1	SHIN HO PAPER MFG. CO., LTD.	0900
000582	1	WONLIM CORPORATION	0800	000720	1	JIN HEUNG MUTUAL SAVINGS & FINANCE CO., LTD.	2429
000583	1	DONGBU FIRE & MARINE INSURANCE CO., LTD.	2428	000721	1	BYUCK SAN CORPORATION	1200
000585	1	SAMLIP IND. CO., LTD.	1700	000724	1	CHUNG BUK BANK, LTD.	2425
000587	1	HUNEED TECHNOLOGIES	1500	000728	1	KOREA STEEL SHAPES CO LTD	1300
000588	1	KOREA LINE CORPORATION	2200	000731	1	OTTOGI CO., LTD.	0700
000589	1	DONGWON SECURITIES CO., LTD.	2427	000734	1	DONG AH TIRE IND. CO., LTD.	1000
000590	1	DONG YANG EXPRESS CONSTRUCTION CORP.	2100	000736	1	HANA BANK	2425
000593	1	SAMSUNG ELECTRONICS CO., LTD.	1500	000738	1	GOHAP INC.	1900
000594	1	LG SECURITIES CO., LTD.	2427	000741	1	DAEWOO ELECTRONICS CO., LTD.	1500
000595	1	ISU CHEMICAL CO., LTD.	1000	000742	1	HAEDONG MUTUAL SAVINGS & FINANCE CO., LTD.	2429
000596	1	DONG BU ENGINEERING & CONSTRUCTION CO., LTD.	2100	000746	1	KIC LIMITED	1400
000598	1	SUNGJEE CONSTRUCTION CO., LTD.	2100	000748	1	DAIHAN EUNPAKGY INDUSTRIAL CO., LTD.	1300
000604	1	DONGWON INDUSTRIES CO., LTD.	0500	000749	1	TAE-CHANG ENTERPRISE CO., LTD.	0800
000606	1	H.S INDUSTRY CO., LTD.	1000	000754	1	SAM PYO FOODS CO., LTD.	0700
000607	1	KIRIN CO., LTD.	0700	000757	1	IL YANG PHARMACEUTICAL CO., LTD.	1100
000609	1	OYANG CORPORATION	0700	000759	1	DONG BANG AGRO CORPORATION	1000
000611	1	SAM-A ALUMINIUM CO., LTD.	1300	000761	1	SEONDO ELECTRIC CO., LTD.	1500
000612	1	SUNKYONG INDUSTRIES LIMITED.	1000	000763	1	HUNG CHANG PRODUCTS CO., LTD.	1500
000615	1	SHINSUNG INDUSTRIAL CO., LTD.	1500	000769	1	KUK DO CHEMICAL INDUSTRY CO., LTD.	1000
000616	1	SHINWHA ENGINEERING & CONSTRUCTION CO., LTD.	2100	000770	1	NSF CO LTD	0800
000620	1	KEC CORP	1500	000779	1	KEUM HA TEXTILE CO., LTD.	0800
000621	1	WOO SUNG FOOD CO., LTD.	0700	000780	1	DONG YANG MUTUAL SAVINGS & FINANCE	2429
000622	1	THE BANK OF CHEJU, LTD.	2425	000781	1	KOREA CIRCUIT CO., LTD.	1500
000624	1	JINDO FASHION CO., LTD.	0800	000786	1	HAN IL E HWA CO., LTD.	1700
000625	1	KUKDONG ELECTRIC WIRE CO., LTD.	1500	000791	1	SEWON CHEMICAL	1000
000626	1	LG CABLE & MACHINERY LTD.	1500	000798	1	PAN PACIFIC TRADING CO., LTD.	0800
000628	1	SANG-A PHARM. CO., LTD.	1100	000800	1	SAEHAN INDUSTRIES	0800
000629	1	INCHON OIL REFINERY	1000	000802	1	KYUNG NAM ENERGY CO., LTD.	2000
000632	1	KYUNGKI BANK, LTD.	2425	000804	1	SHIN CHON FEED CO., LTD.	0700
000634	1	DAEWON CABLE CO., LTD.	1500	000806	1	DAE DUCK ELECTRONICS CO., LTD.	1500
000635	1	THE JEON BUK BANK, LTD.	2425	000808	1	SAM YANG OPTICAL IND. CO., LTD.	1600
000636	1	LG CONSTRUCTION CO., LTD.	2100	000810	1	GUH SUNG INDUSTRIAL CO., LTD.	0900
000637	1	TAE GU DEPARTMENT STORE	1900	000811	1	KOREA DAIDONG ELECTRONICS CO., LTD.	1500
000638	1	CAPRO CORPORATION	1000	000812	1	MOTOR JOY CORPORATION	1500
000639	1	HYUNDAI CEMENT CO., LTD.	1200	000819	1	SHINHO ELECTRONIC & COMMUNICATION	1800
000640	1	SAMSUNG DISPLAY DEVICES CO., LTD.	1500	000825	1	EAGON INDUSTRIAL CO., LTD.	0900

## LIST OF COMPANIES BY COMPANY ID – KOREA

APPENDIX E – KS.5

COID	STKTYP	COMPANY NAME	INDID	COID	STKTYP	COMPANY NAME	INDID
000826	1	NI TECK CO LTD	1300	000968	1	CHANG WON CARBURETER IND. CO., LTD	1700
000827	1	KDB CAPITAL	2429	000969	1	KOREA KDK CO., LTD.	1500
000832	1	NUBOTEK CORPORATION	1500	000972	1	HANKUK ELECTRIC GLASS CO., LTD.	1200
000835	1	NAMSUN ALUMINUM CO., LTD.	1300	000976	1	KOREA COMPUTER INC.	1500
000840	1	JINDO CORPORATION	1700	000979	1	HUNIX INC	1500
000842	1	MOONBAE STEEL CO., LTD.	1300	000981	1	ERUME	0800
000844	1	HANSOL PAPER BOARD CO., LTD.	1900	000983	1	HANWHA CHEMICAL CORPORATION	1000
000848	1	KEP ELECTRONICS	1500	000984	1	KABOOL LTD.	0800
000849	1	SU-HEUNG CAPSULE CO., LTD.	1000	000989	1	MAXON TELECOM CO LTD	1500
000850	1	IL JEONG INDUSTRIAL CO., LTD.	0800	000994	1	DAE-A LEAD WIRE CO., LTD.	1500
000853	1	IL EUN SECURITIES	2427	000997	1	YOUNGONE CORPORATION	1900
000854	1	TAE CHANG CO., LTD.	0800	001004	1	KOREA REFRACTORIES CO LTD	1200
000856	1	MERITZ SECURITIES CO LTD	2427	001005	1	KUMHO MERCHANT BANKING CORPORATION	2426
000860	1	THE WILL BES	1900	001006	1	DC CHEMICAL	1000
000864	1	WOO SUNG CONSTRUCTION CO., LTD.	2100	001009	1	HAITAI STORES CO., LTD.	1900
000867	1	GOOD MORNING SECURITIES	2427	001010	1	KOREA FLANGE CO., LTD.	1700
000869	1	HAN YANG CORPORATION	2100	001011	1	KOREA CHEMICAL CO., LTD.	1000
000870	1	ANAM ELECTRONICS CO., LTD.	1500	001012	1	LG INDUSTRIAL SYSTEMS CO., LTD.	1500
000872	1	SAMYANG HEAVY MACHINERY CO., LTD.	1400	001013	1	KOREA ZINC COMPANY LTD.	1300
000873	1	YOUL CHON CHEMICAL CO., LTD.	1000	001014	1	SAMSUNG HEAVY IND. CO., LTD	1700
000875	1	BUM YANG FOOD CO., LTD.	0700	001015	1	HANKOOK CORE CO., LTD.	1500
000877	1	HOTEL SHILLA CO., LTD.	3000	001020	1	KEUK DONG TANNING CO., LTD.	1800
000881	1	LG MERCHANT BANKING CORP.	2429	001022	1	HANSOL MERCHANT BANKING CORP.	2429
000887	1	KUM BI CORPRATION	1200	001033	1	LAMY COSMETICS CO., LTD.	1000
000889	1	BORAM BANK	2425	001042	1	HANSOL TELECOM CO., LTD.	3000
000890	1	SSANG BANG WOOL LIMITED	0800	001046	1	KOREA DEVELOPMENT LEASING CO., LTD.	2429
000893	1	HAN MI PHARM. IND. CO., LTD.	1100	001051	1	ILJIN CORPORATION	1500
000895	1	DONGBU CHEMICAL CO., LTD.	1000	001052	1	HYUNDAI HYSOC	1300
000897	1	DONG YANG STEEL PIPE CO., LTD.	1300	001053	1	LIFE CONSTRUCTION CO., LTD.	2100
000898	1	TONG YANG INVESTMENT BANK	2426	001058	1	JICO CO., LTD.	1700
000899	1	CENTRAL BANKING	2426	001060	1	YOUNGCHANG SILUP	1800
000903	1	DAIHAN INVESTMENT BANKING	2429	001062	1	HYUNDAI MIPO DOCK YARD CO., LTD.	1700
000905	1	ALUMINIUM OF KOREA LTD.	1300	001064	1	KOREA POLYURETHANE INDUSTRIAL CO., LTD.	1000
000907	1	KOREA CONTAINER TERMINAL CO., LTD.	2200	001066	1	WHACHEON MACHINERY WORKS CO., LTD.	1400
000908	1	PACIFIC INDUSTRY INC.	1200	001069	1	HWA SHIN CO., LTD.	1700
000914	1	KYUNG IN ELECTRONIC CO., LTD.	1500	001073	1	KUM KANG TRADING CO., LTD.	0800
000915	1	SAMSUNG ELECTRO-MECHANICS CO., LTD.	1500	001077	1	PYUNG HWA INDUSTRIAL CO., LTD.	1700
000916	1	SIMPAC INC	1400	001078	1	DONG SUH INDUSTRIAL CO., LTD.	1200
000918	1	YOUNG WOO & CORPORATION	2200	001082	1	FIRST TECHNOLOGY CO., LTD.	1500
000919	1	AI YANG METAL CO, LTD.	1300	001091	1	JEIL REPRIGERATING CO., LTD.	0700
000920	1	SHINMOORIM PAPER MFG. CO., LTD.	0900	001095	1	S-OIL CORPORATION	1000
000927	1	SHINWON	0800	001097	1	HANJOO CHEMICAL CO., LTD.	1900
000928	1	DAHAAM E-TEC	1500	001100	1	DONG IL FABRICS CO., LTD.	0800
000929	1	KWANG DONG PHARMACEUTICAL CO., LTD.	1100	001102	1	KOLON CHEMICAL CO., LTD.	1000
000931	1	TAESUNG MACHINERY & CONSTRUCTION CO., LTD.	1400	001105	1	KEDCOM	1500
000932	1	PARTSNIC COMPANY LIMITED	1500	001109	1	ENEX CO., LTD.	1800
000933	1	SAMAE INDUSTRIAL CO., LTD.	0800	001115	1	SAM HO CO., LTD.	1900
000936	1	BENEDES INC	1900	001116	1	KOREA INDUSTRIAL DEVELOPMENT	2100
000938	1	CHOIL PAPER MFG	0900	001117	1	HONAM PETROCHEMICAL CORPORATION	1000
000941	1	TAE YOUNG CORP.	2100	001118	1	TONG KOOK SPINNING CO., LTD.	0800
000942	1	HAN ALL PHARMACEUTICAL CO., LTD.	1100	001120	1	HYUNDAI MERCHANT MARINE CO., LTD	2200
000944	1	KOREA COTTRELL CO., LTD.	1400	001123	1	SAM HWA ELECTRONICS CO. LTD.	1500
000945	1	KYUNG DONG BOILER CO., LTD.	1400	001126	1	KOREA MERCHANT BANKING CORPORATION	2426
000946	1	HAN CHANG PAPER MANUFACTURING CO., LTD.	0900	001128	1	TAILIM PACKAGING IND.CO., LTD.	0900
000947	1	SAM WHA ELECTRIC CO., LTD.	1500	001129	1	KABOOL TEXTILES	0800
000954	1	HYUNDAI HEAVY INDUSTRIES	1700	001130	1	SEONG AN CO., LTD.	0800
000958	1	DONG HAE PULP CO., LTD.	0900	001133	1	UNI CHEM CO LTD	1800
000965	1	HYUNDAI MOTOR SERVICE CO., LTD.	1900	001139	1	BUSAN INDUSTRIAL CO., LTD.	1200

## LIST OF COMPANIES BY COMPANY ID – KOREA

APPENDIX E – KS.6

COID	STKTYP	COMPANY NAME	INDID	COID	STKTYP	COMPANY NAME	INDID
001140	1	MYUNG SUNG LTD.	1700	001324	1	SEYANG INDUSTRIAL	0800
001142	1	SANG LIM LEATHER CO., LTD.	1800	001325	1	DAE YANG MUTUAL SAVINGS & FINANCE	2429
001145	1	SONG WON COLOR	1000	001336	1	IL SUNG CONSTRUCTION CO., LTD.	2100
001147	1	KISAN CORP.	2100	001352	1	HS R&A	1000
001151	1	CHONGGU HOUSING & CONSTRUCTION CORP.	2100	001357	1	DONGYANG MECHATRONICS CORPORATION	1700
001165	1	G INFORMATION & COMMUNICATIONS. LTD	1500	001358	1	KYERYONG CONSTRUCTION INDUSTRIAL	2100
001169	1	YUYANG IFORMATION & COMMUNICATION CO., LTD.	1500	001370	1	SAMWHAN CAMUS CO., LTD.	2100
001170	1	HAN SHIN MACHINERY CO., LTD.	1400	001382	1	DONG SIN PAPER MFG CO., LTD.	0900
001172	1	HYUN DAE PAINT IND. CO., LTD.	1000	001389	1	ZINUS INC	1900
001176	1	HYUNDAI CORPORATION	1900	001401	1	INTERPION CO LTD	1300
001178	1	KOREA KUMHO PETROCHEMICAL CO., LTD.	1000	001404	1	GPS CORPORATION	1500
001179	1	SKC	1000	001408	1	NEWMAX CO., LTD	1500
001180	1	BAEMYUNG METAL CO., LTD.	1300	001413	1	HAN EXPRESS	2200
001181	1	STX CORPORATION CO LTD	1400	001415	1	KOREA INTERNATIONAL MERCHANT BANK	2429
001182	1	KOREA MOOLSAN CO., LTD.	0800	001416	1	DAE YOUNG PACKAGING CO., LTD.	0900
001184	1	KE MONG SA PUBLISHING CO., LTD.	1800	001428	1	KUM KANG INDUSTRIAL CO., LTD.	1400
001188	1	HYUNDAI INTERNATIONAL MERCHANT BANK	2429	001430	1	SUN JIN CO., LTD	0700
001193	1	SHIN SUNG ENG	1400	001435	1	SHINIL ENGINEERING CO., LTD.	2100
001194	1	TAI-YUNG PAPER BOARD MFG. CO., LTD.	0900	001439	1	TAEGU MERCHANT BANK	2429
001196	1	SAEHAN MERCHANT BANKING CORPORATION	2429	001440	1	GYONG NAM INTERNATIONAL MERCHANT BANKING CORPORAT	2429
001203	1	DONGBU FINE CHEMICALS	1000	001443	1	HANGIL MERCHANT BANK CORPORATION	2429
001209	1	SUNGWON CONSTRUCTION CO., LTD.	2100	001444	1	YOUNGBO CHEMICAL	1000
001217	1	EUSUNG INDUSTRIAL CO., LTD.	1400	001445	1	SAM YANG MERCHANT BANKING CORP.	2429
001219	1	SHIN HO PAPER	0900	001449	1	SSANGYONG MERCHANT BANKING	2429
001220	1	KEYANG ELECTRIC MACHINERY CO., LTD.	1400	001453	1	KUK DONG OIL & CHEMICAL CO., LTD.	1000
001222	1	TONGKOOK GENERAL ELECTRONICS CO., LTD.	1500	001458	1	BAEK KWANG MINERAL PRODUCTS CO., LTD.	1200
001225	1	CHEFLINE CO., LTD	1400	001459	1	NASIGN CO LTD	0800
001226	1	EZ.COM	1500	001468	1	HANSOL CHEMIEENCE CO LTD	1000
001227	1	DONG SHIN CO., LTD.	2100	001474	1	MIWON PETROCHEMICAL CORPORATION	1000
001228	1	YEONG HWA METAL CO., LTD.	1700	001479	1	HALLA ENGINEERING & CONSTRUCTION CORPORATION	2100
001232	1	KYUNG DONG CITY GAS	2000	001482	1	EASTEEL SYSTEMS CORPORATION	1500
001233	1	HYUNDAI MOBIS	1700	001490	1	TRI GEM COMPUTER INC.	1500
001240	1	TBK ELECTRONICS	1500	001491	1	SUNGMOON ELECTRONICS CO., LTD.	1500
001241	1	CHUNG HO ELCOM	1500	001498	1	HANG DO MERCHANT BANK	2429
001242	1	OKOREAN FRENCH BANKING CORP.	2426	001499	1	NASAN CO., LTD.	0800
001245	1	SAMSUNG AEROSPACE INDUSTRIES, LTD.	1600	001502	1	STARCO CO. LTD	1400
001247	1	DONG YANG TEXTILE INDUSTRY CO., LTD.	0800	001508	1	CHONGSOL MERCHANT BANKING	2429
001250	1	FIRST MERCHANT BANKING	2429	001511	1	CENTRAL CONSTRUCTION CO., LTD.	2100
001251	1	DAI DONG CO., LTD.	1400	001523	1	DAE CHANG FORGING CO., LTD.	1700
001258	1	SUNG DO APPAREL CO., LTD.	0800	001526	1	Q&TECHKOREA	1500
001260	1	CHUNG HO COMNET CO LTD	1500	001535	1	PUSAN CITY GAS	2000
001261	1	KYUNG-IN SYSTHETIC CORPORATION(KISCO)	1000	001536	1	KUKDONG CITY GAS	2000
001263	1	HYUNDAI INDUSTRIAL & DEVELOPMENT	2100	001554	1	HEXXIM TELETEK	1500
001267	1	HWANYOUNG STEEL IND. CO., LTD.	1300	001558	1	SHINHAN BANK	2425
001269	1	MONALISA CO., LTD.	0900	001559	1	DAEKYUNG MACHINERY & ENGINEERING CO., LTD.	1400
001271	1	H AND S INVESTMENT BANK	2426	001562	1	HUNDADAI ULSAN MERCHANT BANKING CORP	2426
001272	1	KUN YOUNG CO., LTD.	2100	001565	1	REGENT MERCHANT BANK	2426
001275	1	S1	3000	001567	1	ASIA PACIFIC SPACE TELECOM	1500
001276	1	DONG-A PRECISION MACHINERY CO., LTD.	1700	001573	1	DAEWOO PRECISION INDUSTRIES LTD.	1700
001280	1	DAE CHANG IND. CO., LTD.	1300	001576	1	KOREA ELECTRIC POWER CORPORATION	2000
001283	1	HYUNDAI WOOD IND. CO., LTD.	1800	001578	1	NONNO CO., LTD.	0800
001291	1	HALLA CEMENT MANUFACTURING CORP.	1200	001586	1	ILJIN ELECTRIC & MACHINERY CO., LTD.	1500
001299	1	LG PETROCHEMICAL	1000	001588	1	TAEHWA SHOPPING CO., LTD.	1900
001300	1	SEWOO POLYMER CO., LTD.	1900	001589	1	TAE KYUNG INDUSTRIAL	1000
001304	1	KEUM KANG LEATHER CO., LTD.	1800	001594	1	DACOM CORPORATION.	2300
001307	1	IL SUNG CO., LTD.	1000	001598	1	KUMKYUNG CO., LTD.	1900
001309	1	ETRONICS CORPORATION	1500	001601	1	SEO JIN FOODS CO.,LTD.	0700
001320	1	WOOBANG HOUSING & CONSTRUCTION	2100	001609	1	DAE HYUN CO., LTD.	0800

## LIST OF COMPANIES BY COMPANY ID – KOREA

APPENDIX E – KS.7

COID	STKTYP	COMPANY NAME	INDID	COID	STKTYP	COMPANY NAME	INDID
001616	1	RADIX INC.	1500	002117	1	KOHAP PETROCHEMICAL	1000
001635	1	SHINHAN INVESTMENT BANK	2429	002124	1	WOONGJIN CONWAY	1400
001636	1	SAMSUNG SECURITIES CO., LTD.	2427	002131	1	DONG HWA BANK	2429
001638	1	DONGBU STEEL CO., LTD.	1300	002160	1	DAE DONG BANK	2429
001639	1	NARA BANKING	2426	002161	1	DONG NAM BANK	2429
001642	1	SEJONG SECURITIES	2427	002182	1	SEWON PRECISION INDUSTRY	1700
001645	1	HAN SAE CO LTD	1900	002196	1	HANMIL LEASING	2429
001648	1	HANWHA MERCHANT BANK	2429	002313	1	KOOKMIN BANK	2425
001650	1	SAMSAM MERCHANT BANK	2429	002315	1	MUHACK ALCOHOL	0700
001651	1	SEJONG SECURITIES	1900	002345	1	DONGNAM CHEMICAL INDUSTRIES	1000
001655	1	HBTELECOM	1500	002359	1	DAOU TECHNOLOGY	3000
001656	1	SEOUL MUTUAL SAVINGS & FINANCE	2429	002380	1	INZI CONTROLS CO. LTD	1700
001657	1	PACIFIC PHARMACEUTICAL CO., LTD.	1100	002396	1	SEWON HEAVY MACHINERY	1400
001658	1	WHAN IN PHARM.	1100	002407	1	WISCOM CO LTD	1000
001659	1	SHINDAEYANG PAPER CO., LTD.	0900	002409	1	DCM CORP.	1300
001661	1	DONGBU SECURITIES CO., LTD.	2427	002410	1	THE FIRST MUTUAL SAVINGS & FINANCE	2429
001664	1	SHIN HWA CO., LTD.	1800	002487	1	YOOSUNG METAL	1400
001668	1	TAE HEUNG LEATHER INC.	1800	002489	1	DAEWON CHEMICAL	1000
001669	1	SINSEGYE MERCHANT BANK	2429	002490	1	DUCK YANG INDUSTRY	1700
001671	1	DAEGU CITY GAS	2000	002496	1	YEUNGNAM MERCHANT BANKING CORPORATION	2426
001680	1	FURSYS INC.	1800	002500	1	KOREA POLYOL CO., LTD.	1000
001683	1	KORAM BANK	2425	002553	1	SJM	1700
001688	1	WOONGJIN PUBLICING CO., LTD.	1800	002554	1	KOREA ELECTRIC TERMINAL	1500
001697	1	CECROP CO LTD	1400	002556	1	MIRAE CO.	1600
001704	1	KWANG MYUNG ELECTRIC ENGINEERING CO., LTD.	1500	002561	1	COMET SAVINGS AND FINANCE CO LTD	2429
001711	1	CORYO MERCHANT BANK	2425	002562	1	SHIN WOO CO., LTD.	1900
001712	1	BAROQUE FURNITURE CO., LTD.	1800	002582	1	LEEKU INDUSTRIAL	1300
001717	1	INNOTZ	1500	002583	1	HANKOOK SYNTHETICS INC.	0800
001730	1	KOREA DATA SYSTEMS, CO., LTD.	1500	002584	1	LADY FURNITURE CO., LTD.	1800
001732	1	TAE IL MEDIA CO., LTD.	1500	002585	1	KOREA FINE CHEMICAL CO., LTD.	1000
001739	1	SEOUL CITY GAS	2000	002586	1	NAMHAE CHEMICAL CORPORATION	1000
001755	1	SOOSAN HEAVY IND. CO., LTD.	1400	002589	1	HANKOOK STEEL	1400
001767	1	SK TELECOM	2300	002593	1	PANTECH	1500
001780	1	HYUNDAI ELEVATOR	1400	002687	1	DAEHAN CITY GAS CO., LTD.	2000
001781	1	PULMUONE CO., LTD	0700	002689	1	DIGITAL POWER COMMUNICATIONS CO LTD	1500
001790	1	AUK	1500	002739	1	DONG YANG DEPARTMENT STORE	1900
001794	1	LG-CALTEX GAS	1900	002746	1	HOUSING & COMMERCIAL BANK	2425
001796	1	HAN KUK CARBON CO., LTD.	1500	002784	1	KODENSHI KOREA	1500
001802	1	HANIL LEASING	2429	002797	1	SERIM PAPER MFG	0900
001836	1	MEDISON	1600	002805	1	SAMSUNG ENGINEERING	3000
001841	1	HYUNDAE METAL CO., LTD.	1400	002946	1	KC TECH	1600
001847	1	CHOIL ALUMINIUM MANUFACTURING CO., LTD.	1300	002953	1	SINDO RICOH	1500
001850	1	DONGWON METAL IND. CO., LTD.	1700	002989	1	LG SEMICON	1500
001855	1	ANKOOK SAFETY GRASS CO.,LTD	1200	003000	1	CHEIL COMMUNICATIONS	3000
001857	1	SUNJIN METALS	1300	003020	1	KOREA TELECOM	2300
001859	1	KOREA NETWORK CORPORATION	1500	003021	1	KTB NETWORK	2429
001867	1	SK GAS	1900	003071	1	DONG-A MUTUAL SAVINGS & FINANCE	2429
001888	1	HALLA CLIMATE CONTROL	1400	003072	1	DONGWON FISHERIES	0500
001917	1	SHIN POONG PHARMACEUTICAL CO., LTD.	1100	003157	1	JIN YUNG INDUSTRIAL CO., LTD.	0800
001918	1	DONG HAE ELECTRIC INDUSTRIES	1500	003165	1	KENNY TRADING CO., LTD.	0800
001930	1	DONGIL PAPER MFG	0900	003167	1	WOO SAENG CORPORATION	0800
001949	1	HITRON SYSTEMS	1500	003182	1	COMTEC SYSTEMS	1500
001951	1	POONG JIN CHEMICAL CO., LTD.	0700	003251	1	DAE DO SANG SA CO.,LTD.	0800
001993	1	KIRA INFORMATION & COMMUNICATIONS	1500	003252	1	WOO DAN CORPORATION	0800
002000	1	HANDSOME CO.	0800	003302	1	KYONG IL LEATHER CO., LTD.	0800
002001	1	DOOSAN FOODS CO., LTD.	0700	003309	1	HO SEUNG CO., LTD.	0800
002012	1	IN3 TECHNOLOGIES INC	1900	003318	1	FEELUX	1500
002105	1	SEOWON	1300	003324	1	JAHWA ELECTRONICS	1500

## LIST OF COMPANIES BY COMPANY ID – KOREA

APPENDIX E – KS.8

COID	STKTYP	COMPANY NAME	INDID	COID	STKTYP	COMPANY NAME	INDID
003325	1	SAMLIP PRECISION INDUSTRIAL	1700	006402	1	ORIENTAL PRECISION CO., LTD.	1500
003352	1	SUNG HWA CORPORATION.	0800	006404	1	LG TELECOMMUNICATION CO., LTD.	1500
003378	1	KOREA TOBACCO & GINSENG	1800	006407	1	GOLD STAR ELECTRIC CO.,LTD.	1500
003402	1	DOOSAN HEAVY INDUSTRIES AND CONSTRUCTION	0800	006408	1	INKEL CORPORATION	1500
003500	1	LGAD INC	3000	006416	1	PAXAN ELECTRONICS CO., LTD.	1500
003512	1	DONG SHIN MFG. CO., LTD.	0900	006418	1	YUNG TAI ELETRONICS IND CO., LTD.	1500
003515	1	BAIKSAN	1000	006419	1	JOONG WON ELECTRONICS CO., LTD.	1500
003521	1	SHIN KANG PAPER MFG. CO., LTD.	0900	006420	1	KYC CO., LTD.	1500
003523	1	SIN JUNG PAPER MFG. CO., LTD.	0900	006424	1	INSUNG INDUSTRIAL CO., LTD.	1500
003646	1	KOREA GAS CORP.	2000	006426	1	WOO JIN ELECTRIC CO., LTD.	1500
003658	1	DAESANG FEED	0700	006456	1	SAMSUNG SEMICONDUCTOR & TELECOMMUNICATIONS CO.,LTD	1500
003711	1	YANG WOO OXIDE CHEMICAL CO., LTD.	1000	006463	1	NOW PRECISION CO., LTD.	1500
003840	1	KOREA EXCHANGE BANK CRDIT SERVICE CO., LT	2429	006466	1	HEUNG YANG INC.	1500
003901	1	KOREA PLASTIC INDUSTRY	1000	006472	1	GOLDSTAR ELECTRONICDEVICES CO.,LTD.	1500
004079	1	SAM SUNG DRUGS CO., LTD.	1100	006477	1	NEW KOREA ELECTRONICS CO., LTD.	1500
004081	1	HANIL CORPORATION LTD.	1100	006479	1	DONG SUNG SEMICONDUCTOR CO., LTD.	1500
004266	1	DAEWOO SHIPBUILDING & MARINE ENGINEERING	1700	006650	1	LG ELECTRIC MACHINERY CO., LTD.	1500
004267	1	DAEWOO HEAVY INDUSTRIES & MACHINERY	1400	006651	1	LG INSTRUMENT & ELECTRIC CO., LTD.	1500
004301	1	LUCKY ADVANCED MATERIALS INC.	1000	007005	1	ANAM PRECISION CO.,LTD.	1500
004602	1	SAMHWA CO.,LTD.	1000	007180	1	SAMSHIN CO., LTD.	1800
004704	1	DAEWOO ENGINEERING & CONSTRUCTION	2100	007302	1	BANDO SPORTS CO.,LTD.	1800
004705	1	DAEWOO INTERNATIONAL	1900	007500	1	SAM SUNG CONSTRUCTION CO., LTD.	2100
004900	1	CERAMIC DEVELOPMENT CORP.	1200	007512	1	WOO CHANG CONSTRUCTION	2100
004977	1	DONGWON F & B	0700	007517	1	PACIFIC CONSTRUCTION CO.,LTD.	2100
005150	1	DONG AH CONCRETE	1300	007535	1	MI SUNG CONSTRUCTION	2100
005163	1	CHIN YANG CHEMICAL CORPORAATION	1000	007805	1	HYUP JIN ENTERPRISE CO., LTD.	1900
005190	1	LG HOUSEHOLD & HEALTHCARE,LTD	1000	007811	1	SAMNA SPORTS CO., LTD.	1900
005191	1	LG CHEM LTD	1000	007833	1	MEEWOO CO., LTD.	1900
005403	1	DONGKUK HEAVY IND.	1400	007844	1	DAI MI CO., LTD.	1900
005555	1	SHINHAN FINANCIAL GROUP	2429	007848	1	SHINHAN INTERNATIONAL LTD.	1900
005865	1	SEAH HOLDING	3000	007856	1	KION TRADING CO., LTD.	1900
006000	1	KOOKMIN BANK	2425	007857	1	DONG BANG & CO., LTD.	1900
006055	1	SUNGLLEE MACHINERY WORKS, LTD.	1500	007858	1	CHUNG HWA ENTERPRISE CORP.	1900
006286	1	YOUNGONE COMMUNICATIONS CO., LTD.	1400	008100	1	SEOUL KYOTONG CORPORATION	3000
006300	1	KOLON ELECTRIC MACHINERY	1500	009991	1	GOLD STAR INVESTMENT & FINANCE CORPORATION	2429
006316	1	CKD BIO CORPORATION	1100	009992	1	SHIN HUNG LUMBER	0900
006351	1	KOLON INTERNATIONAL CORPORATION	1900	009993	1	KOREA MERCHANT BANK, LTD.	2429