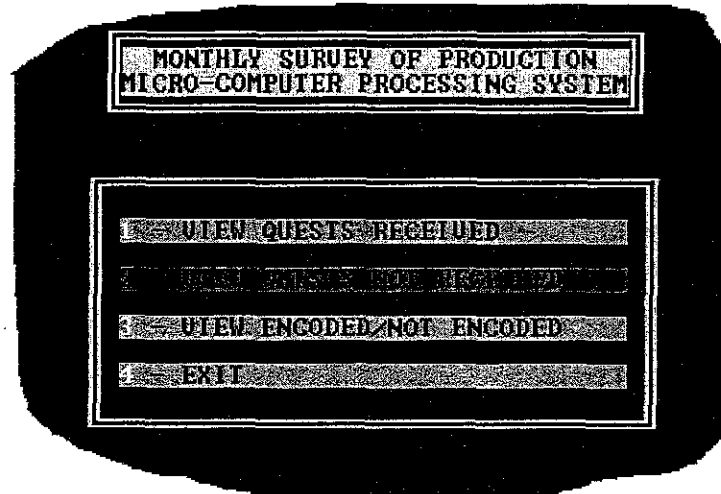


## II.2. VIEW QUEST STATUS

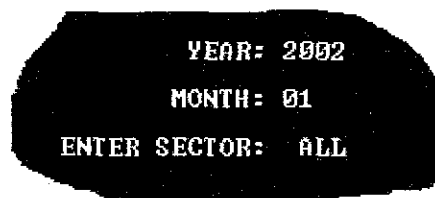
The sub-menu **VIEW QUEST STATUS** has four options to choose from as shown below. These options are discussed in the succeeding sections.



### II.2.1. VIEW QUESTS RECEIVED/NOT RECEIVED

At the **VIEW QUEST RECEIVED** or **VIEW QUESTS NOT RECEIVED** sub-menus, the user may wish to view the list of questionnaires that have been received or not received. Press '1' or position the cursor in '**VIEW QUESTS RECEIVED**' if one wishes to view the questionnaires that have been received. Press '2' or choose '**VIEW QUESTS NOT RECEIVED**' if one wishes to view the questionnaires not yet received.

In choosing either of the options, the user will be asked by the system to enter the sector, reference year and reference month.



If the user encoded the correct entries, the system will show the information about the establishments that have responded or not responded. The file name where the list of responding establishments are stored is in '**RESPmmyy.DBF**' where '**mm**' is the month and '**yy**' is the last two digits of the reference year. For the list of non-responding establishments, the file is '**NRESmmyy.DBF**'. Below is an example of how the screen

would look like when the list is shown. You may use the cursor keys to move from one field to another.

```
MSP_MAIN.EXE
SECTOR      291
QUEST_NO
YEAR        2002
ECN         740300002296D6
NAME        3-D INDUSTRIES INC
DATE DISTRIBUTED
JAN QUEST COLLECT
JAN QUEST RECEIPT 06/10/2002
STATUS      a
NO. OF REMINDERS
MAIN PRODUCT
REMARKS

SECTOR      151
QUEST_NO
YEAR        2002
ECN         421000001196D5
NAME        A A EXPORT & IMPORT CORP
DATE DISTRIBUTED
JAN QUEST COLLECT
JAN QUEST RECEIPT 06/10/2002
STATUS      a
NO. OF REMINDERS
MAIN PRODUCT
REMARKS

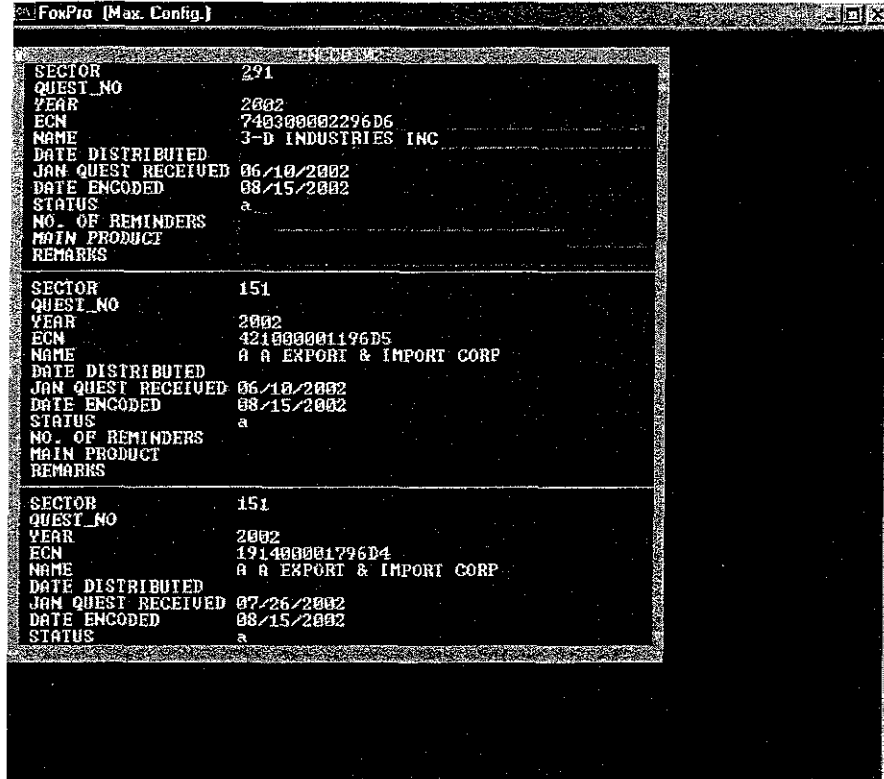
SECTOR      151
QUEST_NO
YEAR        2002
ECN         191400001796D4
NAME        A A EXPORT & IMPORT CORP
DATE DISTRIBUTED
JAN QUEST COLLECT
JAN QUEST RECEIPT 07/26/2002
STATUS      a
```

The file could be accessed in EXCEL so that it could be modified according to the users' desire.

## II.2.2. VIEW ENCODED/NOT ENCODED

This sub-module let the user view the following:

- **VIEW ENCODED ESTABLISHMENTS**– this option allows the user to look at the date when the data of responding establishments were encoded. The list is saved in file ENCOmmy.DBF.



The screenshot shows a FoxPro window titled 'FoxPro (Max. Config.)' with a list of three records. Each record contains the following fields: SECTOR, QUEST\_NO, YEAR, ECN, NAME, DATE DISTRIBUTED, JAN QUEST RECEIVED, DATE ENCODED, STATUS, NO. OF REMINDERS, MAIN PRODUCT, and REMARKS.

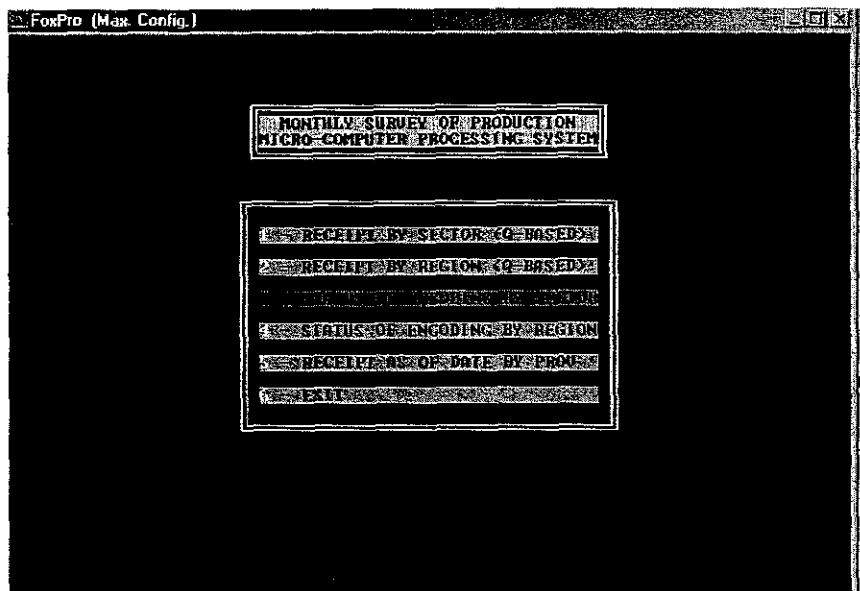
SECTOR	291											
QUEST_NO												
YEAR	2002											
ECN	740300002296D6											
NAME	3-D INDUSTRIES INC											
DATE DISTRIBUTED												
JAN QUEST RECEIVED	06/10/2002											
DATE ENCODED	08/15/2002											
STATUS	a											
NO. OF REMINDERS												
MAIN PRODUCT												
REMARKS												
SECTOR	151											
QUEST_NO												
YEAR	2002											
ECN	421000001196D5											
NAME	A A EXPORT & IMPORT CORP											
DATE DISTRIBUTED												
JAN QUEST RECEIVED	06/10/2002											
DATE ENCODED	08/15/2002											
STATUS	a											
NO. OF REMINDERS												
MAIN PRODUCT												
REMARKS												
SECTOR	151											
QUEST_NO												
YEAR	2002											
ECN	191400001796D4											
NAME	A A EXPORT & IMPORT CORP											
DATE DISTRIBUTED												
JAN QUEST RECEIVED	07/26/2002											
DATE ENCODED	08/15/2002											
STATUS	a											

- **VIEW NOT ENCODED ESTABLISHMENTS** – this option allows the user look at the list of responding establishments whose data have not been encoded yet. The list is contained in file NENCmmy.DBF.

SECTOR	314
QUEST_NO	
YEAR	2002
ECN	148400077796D5
NAME	ADVANCE METAL CO INC
DATE DISTRIBUTED	
JAN QUEST RECEIVED	09/05/2002
DATE ENCODED	
STATUS	a
NO. OF REMINDERS	
MAIN PRODUCT	
REMARKS	OS. NOT PRODUCING COMMODITIES
SECTOR	158
QUEST_NO	
YEAR	2002
ECN	141800051696D0
NAME	AGRIBRANDS PHIL INC
DATE DISTRIBUTED	
JAN QUEST RECEIVED	08/28/2002
DATE ENCODED	
STATUS	a
NO. OF REMINDERS	
MAIN PRODUCT	
REMARKS	OS. FEEDS, CHANGE TO CARGILL PHILS INC
SECTOR	262
QUEST_NO	
YEAR	2002
ECN	431600000396D0
NAME	ALSONS CEMENT CORP
DATE DISTRIBUTED	
JAN QUEST RECEIVED	06/21/2002
DATE ENCODED	
STATUS	a

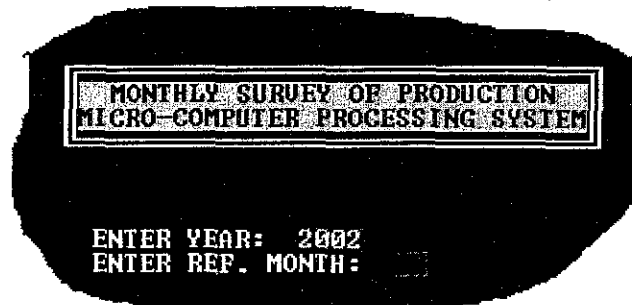
### II.2.3. GENERATE PROGRESS REPORT

If the user chose 'GENERATE PROGRESS REPORT' in the sub-menu for receipt & control, the system would prompt him with another five (5) choices as shown below.



**Q-based** means that the report is based on the number of questionnaires.

Choosing any of the options 1-5, the system will ask you to enter the reference year and month.



If one chooses option '1' or '3', the system will display 'PLS WAIT ...PROCESSING RECORDS FOR SECTOR ...'. If the user chose any of the options '2', '4' or '5', the system will display 'PLS WAIT...PROCESSING RECORDS FOR REGION...'

As soon as the processing is completed, the output will be displayed on the screen.

One may use the cursor to move from one field to another. The file names used for the tables are described below:

1. **SQmmyy.DBF** – file name for progress report by sector
2. **RQmmyy.DBF** – file name for progress report by region
3. **SE-mmmy.DBF** – file name for status of encoding by sector
4. **SR-mmmy.DBF** – file name for status of encoding by region
5. **STRCyyyy.DBF** – file name for progress report by region by province (all months)

Where **mm** is the month and **yy** is the last two digits of the reference year and **yyyy** is the actual year.

The structure of files (1) - (4) mentioned above is:

**First column** – reference month

**Second column** – reference year

**Third column** – current date

**Fourth column** – sector/region

**Fifth column** – number of samples

**Sixth column** – number of questionnaires received

**Seventh column** – number of questionnaires encoded

The structure of file (5) is:

**First column** – region code

**Second column** – province code

**Third column** – region/province description

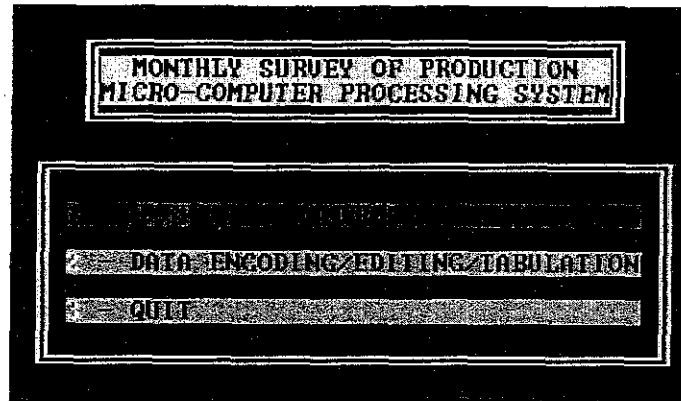
**Fourth column** – workload of region/province

**Fifth column – 17<sup>th</sup> column** – receipt as of date for reference month

The files could be accessed in EXCEL so that it could be modified to suit the users' need.

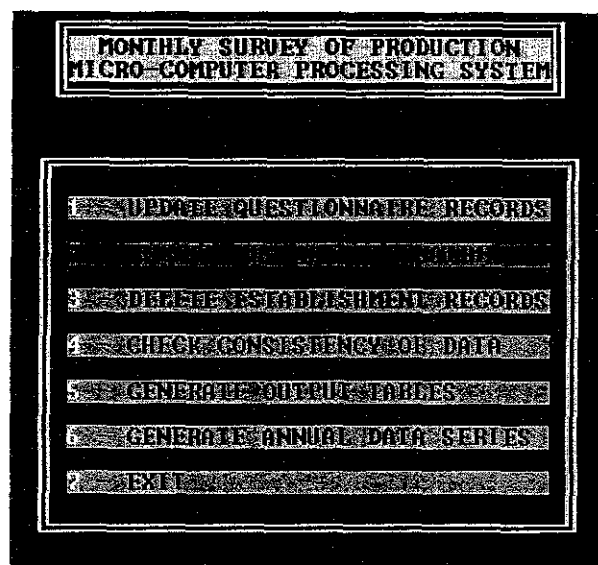
### III. DATA ENCODING/EDITING/TABULATION MENU

Back to the main menu, the user should choose '2 - DATA ENCODING/EDITING/ TABULATION' for data encoding, computer processing or tabulation.



The DATA ENCODING/EDITING/TABULATION menu has six sub-menus to select from. These are:

1. **UPDATE QUESTIONNAIRE RECORDS:** for updating encoded data
2. **ENCODE NEW QUESTIONNAIRE:** for encoding new data from questionnaire
3. **DELETE ESTABLISHMENT DATA:** for deleting establishment records
4. **CHECK CONSISTENCY OF DATA:** to verify if the encoded data items are correct or reasonable
5. **GENERATE OUTPUT TABLES:** to create statistical tables of the data according to a format set by the system
6. **GENERATE ANNUAL DATA SERIES:** generate data series of commodities of each establishment from January to December of the reference year.



### III.3.1. UPDATE QUESTIONNAIRE RECORDS

In the **UPDATE QUESTIONNAIRE RECORDS** option, the system will first ask for the reference month and year. If the entries are correct, the system will tell if there exists a file for that year. If it exists, the system will ask for confirmation. If a file does not exist, the system will ask if a new file should be created. Note that data is stored in **MSP-yyy.DBF** where **yyy** is the reference year.

```
YEAR: 2002  
  
FILE FOR YEAR 2002 ALREADY EXISTS,  
DO YOU WISH TO UPDATE IT?(Y/N) N
```

Once the file is located or created, the system will ask the user to enter the month, sector and establishment control number (ECN).

```
YEAR: 2002 MONTH: 01  
SECTOR: ECN:
```

Once the information about the questionnaire is accepted, the user may begin to enter the data for one commodity. Enter the commodity code first. If the commodity code has been previously encoded, it would show the data about that commodity. If the data for the commodity is not yet encoded, the system will show blank cells for that commodity.

Microsoft FoxPro (Max. Config.)

MONTHLY SURVEY OF PRODUCTION  
MICRO-COMPUTER PROCESSING SYSTEM

YEAR: 2002 MONTH: 01  
SECTOR: 151 ECN: 760200954096D5  
NAME: NUTRI-LICIOUS INDUSTRIES INC

CODE	BEG INVEN	II	PRODN	II	PURCHASED	II	INT. CONS	II
106	2171.000		431.000		0.000		9.000	

DOM SALES	III	EXP SALES	II	TRANSFERS	II	END INVEN	II
434.000		0.000		0.000		2160.000	

VALUE OF PRODN : I

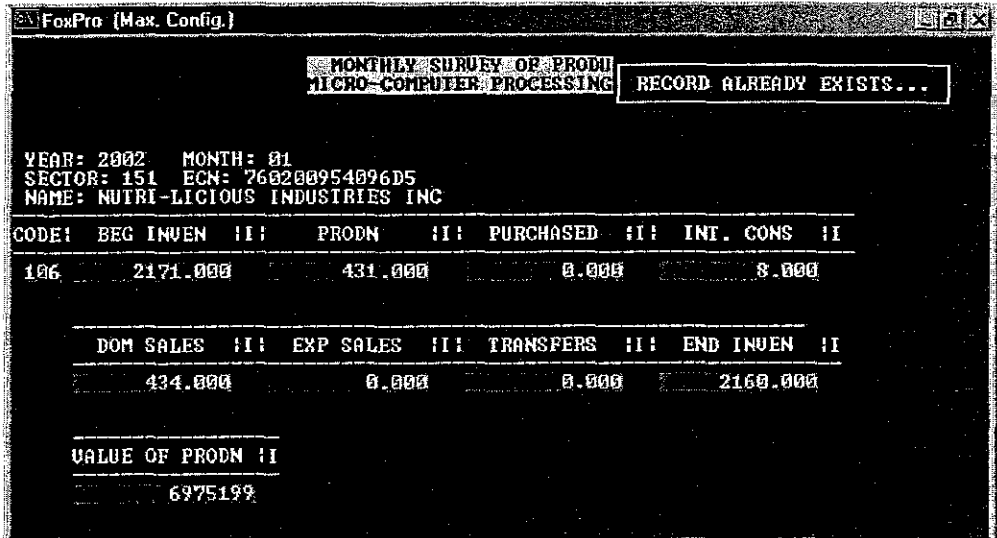
6975199



To accept the encoded entries, press **ESC** or **CTL-W**. If one would like to undo changes, re-enter the commodity code and the system will place the cursor in the row where the commodity is located.

### III.3.2. ENCODE NEW QUESTIONNAIRE

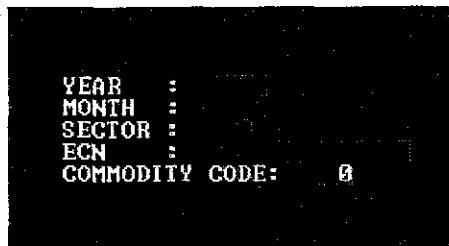
This module is similar to **UPDATE QUESTIONNAIRE RECORDS** option. However, if the record already exists, the system prompts that the record exists.



Encoded data are stored in **MSP-yyyy.DBF** where **yyyy** is the reference year.

### III.3.3. DELETE ESTABLISHMENT RECORD

This sub-menu allows the user to delete records. Records may be deleted because they are duplicates or are supposed not to be included. The system would prompt the user to enter the reference year, month, sector, ECN and commodity code. If zero is entered as commodity code, the system interprets it as **ALL** commodities.



If the information supplied is valid, the system verifies from the user if he really wants to delete the record.

### III.3.4. CHECK CONSISTENCY OF DATA

To check the consistency and reasonableness of data, select '3 - CHECK CONSISTENCY OF DATA'.

Error messages are stored in the file CONSISTN.DBF. The output is shown below:

CODE	BEG INU	PRODN	PURCH	INT CONS.	DOM SALES	EXP SALES
101	0.000	0.000	0.000	0.000	0.000	0.000
102	236.000	2703.000	0.000	705.000	1739.000	0.000
103	0.000	0.000	0.000	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000
106	0.000	0.000	0.000	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	0.000	0.000
201	162					
ERR MSG(17): CODE 102= CHECK PREV. US. CURRENT INT. CONSUMPTION PREV. INT. CONS.=549						
ERR MSG(21): CODE 102= CHECK PREV. US. CURRENT BEG. INVENTORY PREV. BEG. INU.=178						
ERR MSG(22): CODE 102= CHECK PREV. US. CURRENT ENDING INU. PREV. END INU.=236						

The errors and warning messages are written in 'REJECT.LST' which is in text document format and could be retrieved in WORDPAD.

Possible error messages are:

```

ERRMSG(1)='NO DATA IN ANY OF THE FINISHED PRODUCTS'
ERRMSG(2)='BEG INV NOT EQUAL TO END INV OF PREVIOUS MONTH'
ERRMSG(3)='CHECK CURRENT VS PREVIOUS UNIT PRICE'
ERRMSG(4)='VOL. OF PRODN ZERO, VALUE OF PRODN NOT ZERO'
ERRMSG(5)='VOL. OF PRODN NOT ZERO, VALUE OF PRODN ZERO'
ERRMSG(6)='COLUMNS (5), (6), (7) ZERO BUT COLUMNS (8)-(12) NOT ZERO'
ERRMSG(7)='COLUMNS (5), (6), (7) NOT ZERO BUT COLUMNS (8)-(12) ZERO'
ERRMSG(8)='PRODN EXCEEDS 100% OF CAPACITY'
ERRMSG(9)='WITH PRODN DATA BUT NO CAPACITY'
ERRMSG(10)='NO PRODN DATA BUT WITH CAPACITY'
ERRMSG(11)='WITH DATA IN PREV. MONTH'
ERRMSG(12)='NO EMPLOYMENT'
ERRMSG(13)='NO DATA'
ERRMSG(14)='VERIFY USING BALANCE EQUATION'
ERRMSG(15)='CHECK PREVIOUS VS CURRENT PRODUCTION'
ERRMSG(16)='CHECK PREV. VS. CURRENT PURCHASED/RECD'
ERRMSG(17)='CHECK PREV. VS. CURRENT INT. CONSUMPTION'

```

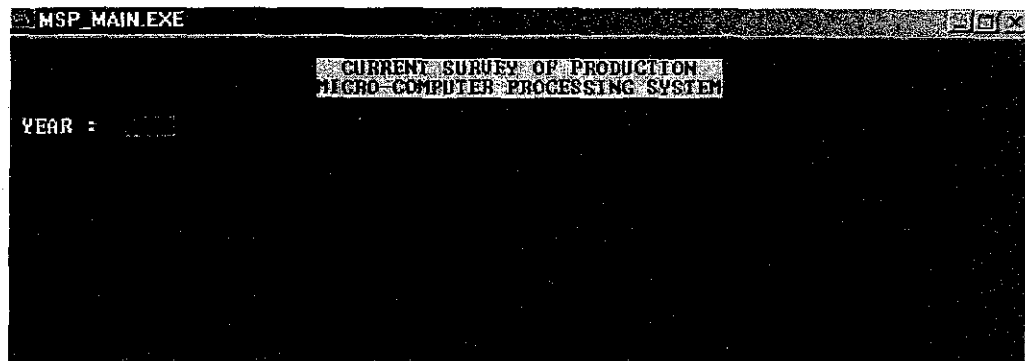
```

ERRMSG(18)='CHECK PREV. VS. CURRENT DOMESTIC SALES'
ERRMSG(19)='CHECK PREV. VS. CURRENT EXPORT SALES'
ERRMSG(20)='CHECK PREV. VS. CURRENT TRANSFER'
ERRMSG(21)='CHECK PREV. VS. CURRENT BEG.INVENTORY'
ERRMSG(22)='CHECK PREV. VS. CURRENT ENDING INV.'
ERRMSG(23)='CHECK PREV. VS. CURRENT VALUE OF PRODUCTION'
ERRMSG(24)='NO ENTRY IN EITHER PREVIOUS OR CURRENT BEG INV'
ERRMSG(25)='NO ENTRY IN EITHER PREVIOUS OR CURRENT PRODN'
ERRMSG(26)='NO ENTRY IN EITHER PREVIOUS OR CURRENT PURCH/RECD'
ERRMSG(27)='NO ENTRY IN EITHER PREVIOUS OR CURRENT INT. CONS.'
ERRMSG(28)='NO ENTRY IN EITHER PREVIOUS OR CURRENT DOM. SALES'
ERRMSG(29)='NO ENTRY IN EITHER PREVIOUS OR CURRENT EXP. SALES'
ERRMSG(30)='NO ENTRY IN EITHER PREVIOUS OR CURRENT TRANSFER'
ERRMSG(31)='NO ENTRY IN EITHER PREVIOUS OR CURRENT END INV'
ERRMSG(32)='NO ENTRY IN EITHER PREVIOUS OR CURRENT VALUE OF PROD'

```

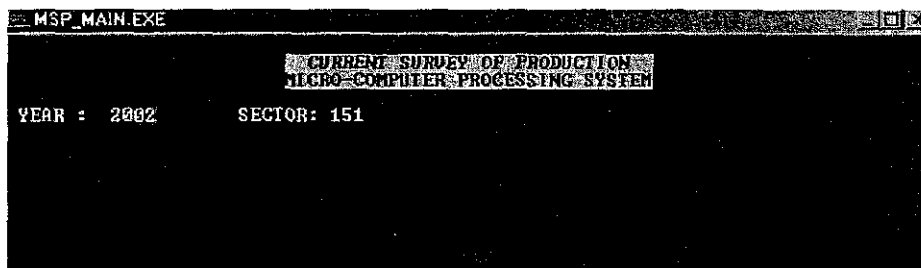
### III.3.5. GENERATE OUTPUT TABLES

To generate the required output tables, the user should select '5 - GENERATE OUTPUT TABLES'. The system will then ask to enter the sector, reference year and month before the output tables are generated. The tables generated in this sub-module are used as input files for the generation of indices.



The system will ask the user to enter the year (4 digits). The system will automatically create the output tables from Jan-Dec of the reference year.

The monitor will show you the sector that is being processed.



The following tables are created by the system:

**Output Table 1 (T01)** is the presentation of products produced by commodity code with sub-totals for each type of commodity.

**Output Table 3 (T03)** is the presentation of monthly production capacity by capacity code with sub-totals for each type of capacity. Sectors with no item for capacity are created dummy Output Table 3.

**Output Table 5 (T05)** is the presentation of value of production and the unit price by commodity code with sub-totals for each type of commodity. It is similar with Output Table 1 except that the unit price is included. The unit price is computed by dividing the value of production (**VALUE\_PROD**) by volume of production (**PRODN**). Output Table 5 also has some blank columns for value of shipment (**VALUE\_SHIP**), value of ending inventory (**VALUE\_INV**) and indicator for continuous respondent (**CONT\_RESP**). These blank columns will be used as input for calculating indices in the MSP excel program.

**Output Table 6 (T06)** will be used for computing the base period data for MSP. Output Table 6 is similar to Output Table 5 except that the figures presented in the Table 6 are the average for the number of responses the establishment reported for a certain commodity during the reference period Jan-Jun 2002. Table 6 composed of the averages for volume of beginning inventory, production, purchased/imported/received, internal consumption, domestic sales, export sales, transfer and ending inventory, total values of production, shipment (domestic sales and export sales) and ending inventory for Jan-Jun 2002. The average volume of a commodity of an establishment is the sum of the volume of the commodity from Jan-Jun divided by the number of times it responded during that period. For example, the establishment did not report in June, then the average is the sum of the volume from Jan-May divided by 5.

For a certain commodity, the average and value data of all establishments producing the commodity are summed up to get the average and value data for that commodity.

Moreover, Table 6 only presents the averages of the commodities with volume and value of production reports.

**Output Table 7 (T07)** will be used for computing the base period data of production capacity. This table consists of columns for the average production capacity (**PCAPACITY**) and total value of production (**VALUE\_PROD**) from Jan-Jun 2002. Average production capacity is the sum of production capacity of a certain commodity from Jan-Jun 2002 divided by the number of months production capacity was reported. Total value of production is the sum of the value of production of that commodity from Jan-Jun 2002.

The output tables are stored in the following Dbase files:

- **sssmmyy.T01** for Output Table 1
- **sssmmyy.T03** for Output Table 3
- **sssmmyy.T05** for Output Table 5
- **sssBASyy.T06** for Output Table 6
- **sssBASyy.T07** for Output Table 7

where,

**sss** is the sector code;

**mm** is the reference month; and

**yy** is the last two digits of the reference year.

### **III.3.6. GENERATE ANNUAL DATA SERIES**

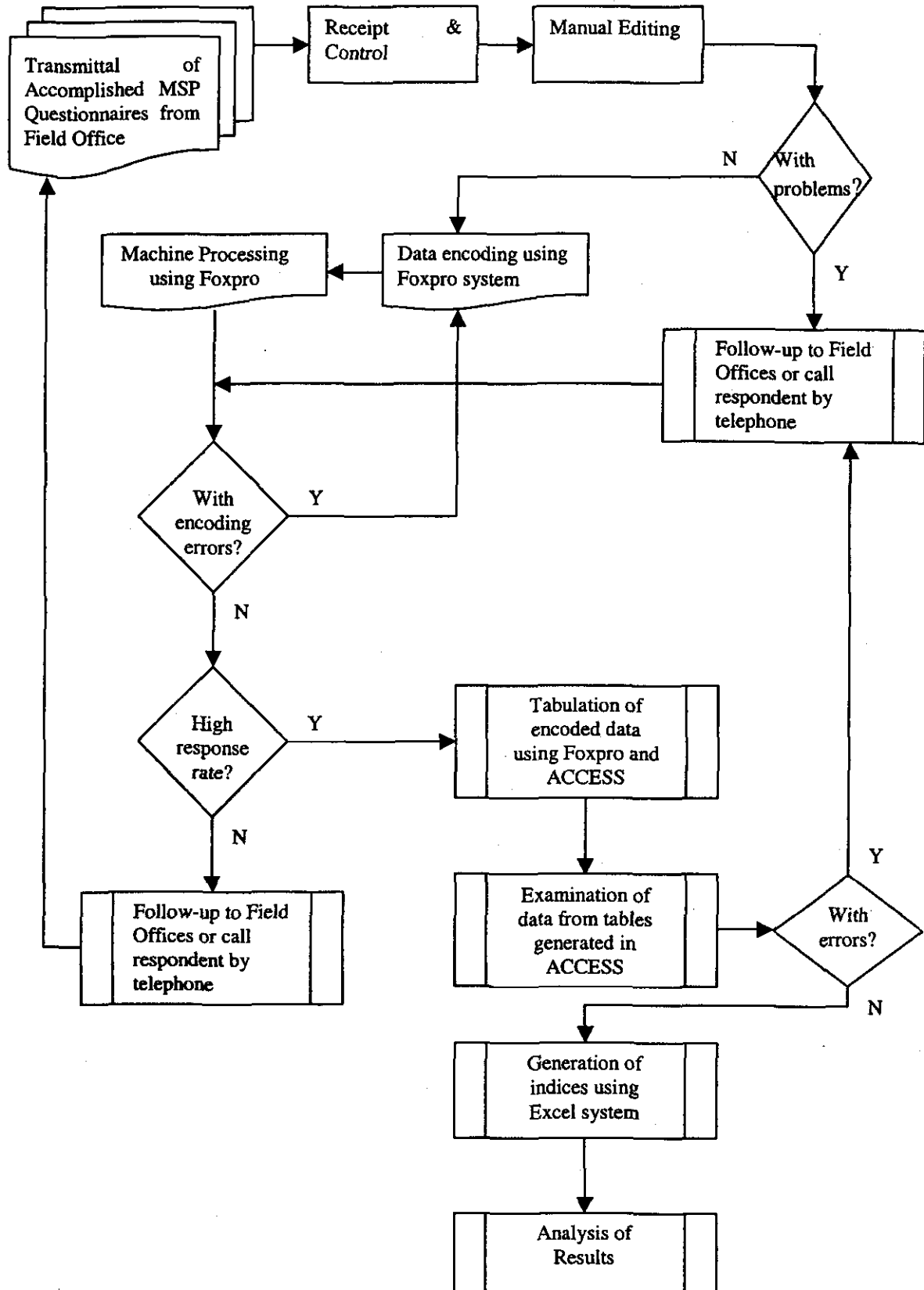
Output of this module is a presentation of the production volume, sales and ending inventory from the January to December of the reference year. The output is saved in the file named **D\_JANDEC.DBF**.

Structure of this file is as follows:

- Sector
- Commodity code
- ECN
- Prodn1, Prodn2, Prodn3, .... Prodn12 (volume of production from Jan-Dec)
- Ship1, Ship2, Ship3, ... Ship12 (volume of domestic and export sales from Jan-Dec)
- Inv1, Inv2, Inv3, ... Inv12 (volume of ending inventory from Jan-Dec)

APPENDIX 1

FLOW CHART OF I S D EDITING ACTIVITIES FOR MSP



## APPENDIX 2

### PROGRAM FILES

Module	Program/Application	Directory
MSP System V2	D_MAIN1.PRG/ MSP_MAIN.EXE	C:\MSP SYSTEM V2
RECEIPT & CONTROL	D_MAIN2.PRG	C:\MSP SYSTEM V2
- RECORD QUESTS RECEIVED	D_R&C.PRG	C:\MSP SYSTEM V2
- VIEWS QUEST STATUS	D_MAIN4.PRG	C:\MSP SYSTEM V2
- VIEW QUESTS RECEIVED	D_RESP.PRG	C:\MSP SYSTEM V2
- VIEW QUESTS NOT RECEIVED	D_NRESP.PRG	C:\MSP SYSTEM V2
- VIEW ENCODED/NOT ENCODED	D_VENCO.PRG	C:\MSP SYSTEM V2
- GENERATE PROGRESS REPORT	D_STAT1.PRG	C:\MSP SYSTEM V2
- RECEIPT BY SECTOR (Q- BASED)	D_SQSTAT.PRG	C:\MSP SYSTEM V2
- RECEIPT BY REGION (Q- BASED)	D_RQSTAT.PRG	C:\MSP SYSTEM V2
- STATUS OF ENCODING BY SECTOR	D_SQENCO.PRG	C:\MSP SYSTEM V2
- STATUS OF ENCODING BY REGION	D_RQENCO.PRG	C:\MSP SYSTEM V2
- RECEIPT AS OF DATE BY PROV	D_STATRC.PRG	C:\MSP SYSTEM V2
DATA ENCODING/EDITING/ TABULATION	D_MAIN3.PRG	C:\MSP SYSTEM V2
- UPDATE QUESTIONNAIRE RECORDS	D_UPD2.PRG	C:\MSP SYSTEM V2
- ENCODE NEW QUESTIONNAIRE	D_ADDQ.PRG	C:\MSP SYSTEM V2
- DELETE QUESTIONNAIRE RECORDS	D_DELE.PRG	C:\MSP SYSTEM V2
- CHECK CONSISTENCY OF DATA	D_CONSIS.PRG	C:\MSP SYSTEM V2
- GENERATE OUTPUT TABLES	D_OUT1.PRG	C:\MSP SYSTEM V2
- GENERATE ANNUAL DATA SERIES	D_JANDEC.PRG	C:\MSP SYSTEM V2

## APPENDIX 3 DATA FILES

### Reference Files

**MSPSAMyy.DBF (List of MSP Samples where yy=last 2 digits of reference year)**

#### File Description:

Field Name	Type	Width	Description
SECTOR	CHARACTER	3	Sector code
NEW_SEC	CHARACTER	3	Same as sector code
NAME	CHARACTER	52	Name of establishment
ATE	NUMERIC	6	Total employment of establishment from LE
ECN	CHARACTER	14	Unique ID of establishment
REGION	CHARACTER	2	Region code of establishment
PROVINCE	CHARACTER	2	Province code of establishment
MUNICIPAL	CHARACTER	2	Municipality code of establishment
ADDRESS	CHARACTER	118	Full address of establishment
STATUS	CHARACTER	1	-
CAREOF2	NUMERIC	2	Equals to 2 if questionnaire is care of head office
CONTACT	CHARACTER	46	Name of contact person from QSME
DEPT	CHARACTER	43	Department of contact person from QSME
TEL	CHARACTER	32	Telephone number of contact person from QSME
FAX	CHARACTER	28	Facsimile number of contact person from QSME
EMAIL	CHARACTER	52	E-mail address of contact person from QSME
CONT_ADD	CHARACTER	86	Address of contact person from QSME
REMARKS	CHARACTER	254	-
HO_NAME	CHARACTER	100	Name of head office
HO_ADD	CHARACTER	120	Address of head office
HO_REG	CHARACTER	2	Region code of head office
HO_PROV	CHARACTER	2	Province code of head office
HO_MUN	CHARACTER	2	Municipality code of head office
UPCD	CHARACTER	1	Update code, 'X' if to be deleted, 'A' for added 'C' for corrected, 'D' for below cut-off criteria
ADDR1	CHARACTER	45	First 45 characters of address of establishment
ADDR2	CHARACTER	45	Second 45 characters of address of establishment
ADDR3	CHARACTER	45	Third 45 characters of address of establishment
ADDR4	CHARACTER	45	Fourth 45 characters of address of establishment
HO_ADD1	CHARACTER	45	First 45 characters of address of head office
HO_ADD2	CHARACTER	45	Second 45 characters of address of head office
HO_ADD3	CHARACTER	45	Third 45 characters of address of head office
RU_REG	CHARACTER	45	Region code of reporting unit, if CAREOF2=2, RU_REG=HO_REG. Otherwise, RU_REG= REGION
RU_PROV	CHARACTER	2	Province code of reporting unit, if CAREOF2=2, RU_PROV=HO_PROV, else RU_PROV= PROVINCE
RU_MUN	CHARACTER	2	Municipality code of reporting unit, if CAREOF2=2, RU_MUN=HO_MUN, else RU_MUN= MUNICIPAL
RU_DIST	CHARACTER	2	RU_DIST=01, 02, ... 06 for RU_REG=13 (NCR). RU_DIST= RU_PROV for other regions
BELOW_ATE	CHARACTER	1	'Y' if below ATE cut-off criteria of MSP
REG_NAME	CHARACTER	50	Region description of RU_REG
PROV_NAME	CHARACTER	50	Province description of RU_PROV
MUN_NAME	CHARACTER	50	Municipality description of RU_DIST
EST_ADDR	CHARACTER	254	Same as ADDRESS
ORIG	CHARACTER	1	Original MSP 2002 sample



**APPENDIX 3 (continued)**

**Geographic Area File**

**GEO2001.DBF (Geographic Area Reference File)**

**File Description**

Field Name	Type	Width	Description
REGION	CHARACTER	2	Region Code (NCR=13, CAR=14, ARMM=15, CARAGA=16)
PROVINCE	CHARACTER	2	Province Code
REV_PROV	CHARACTER	2	-
MUNICIPAL	CHARACTER	2	Municipality Code
BGYCODE	CHARACTER	3	Barangay Code
EQUALS	CHARACTER	5	-
DESCRIP	CHARACTER	49	Region/Province/Municipality Name

**Capacity vs Production Commodity Code**

**CAPVSPRO.DBF**

**File Description**

Field Name	Type	Width	Description
SECTOR	CHARACTER	3	Sector code
CAP_CODE	NUMERIC	3	Production capacity code (starts with '3')
PROD_CODE	NUMERIC	3	Finished product commodity code (starts with '1')

**Data Files**

**R&Cyyyy.DBF (Receipt and Control Data File where yyyy is the reference year)**

Used by program D\_R&C.PRG

**File Description**

Field Name	Type	Width	Description
SECTOR	CHARACTER	3	Sector code
NEW-SEC	CHARACTER	3	Same as sector code
ECN	CHARACTER	14	Unique establishment ID
NAME	CHARACTER	75	Name of establishment
ADDRESS	CHARACTER	75	Address of establishment
REGION	CHARACTER	2	Region code of establishment
PROVINCE	CHARACTER	2	Province code of establishment
MUNICIPAL	CHARACTER	2	Municipality code of establishment
DISTRICT	CHARACTER	2	-
ATE	NUMERIC	6	Total employment
YEAR	CHARACTER	4	Reference year
STATUS	CHARACTER	1	-
MONTH1	CHARACTER	10	Date of receipt from field office of Jan quest
MONTH2	CHARACTER	10	Date of receipt from field office of Feb quest
MONTH3	CHARACTER	10	Date of receipt from field office of Mar quest
MONTH4	CHARACTER	10	Date of receipt from field office of Apr quest

Field Name	Type	Width	Description
MONTH5	CHARACTER	10	Date of receipt from field office of May quest
MONTH6	CHARACTER	10	Date of receipt from field office of Jun quest
MONTH7	CHARACTER	10	Date of receipt from field office of Jul quest
MONTH8	CHARACTER	10	Date of receipt from field office of Aug quest
MONTH9	CHARACTER	10	Date of receipt from field office of Sept quest
MONTH10	CHARACTER	10	Date of receipt from field office of Oct quest
MONTH11	CHARACTER	10	Date of receipt from field office of Nov quest
MONTH12	CHARACTER	10	Date of receipt from field office of Dec quest
REMARK1	CHARACTER	40	Remarks for Jan quest
REMARK2	CHARACTER	40	Remarks for Feb quest
REMARK3	CHARACTER	40	Remarks for Mar quest
REMARK4	CHARACTER	40	Remarks for Apr quest
REMARK5	CHARACTER	40	Remarks for May quest
REMARK6	CHARACTER	40	Remarks for Jun quest
REMARK7	CHARACTER	40	Remarks for Jul quest
REMARK8	CHARACTER	40	Remarks for Aug quest
REMARK9	CHARACTER	40	Remarks for Sept quest
REMARK10	CHARACTER	40	Remarks for Oct quest
REMARK11	CHARACTER	40	Remarks for Nov quest
REMARK12	CHARACTER	40	Remarks for Dec quest
MAIN_PROD	CHARACTER	30	Main product (blank)
ENCODE1	CHARACTER	10	Date Jan data was encoded
ENCODE2	CHARACTER	10	Date Feb data was encoded
ENCODE3	CHARACTER	10	Date Mar data was encoded
ENCODE4	CHARACTER	10	Date Apr data was encoded
ENCODE5	CHARACTER	10	Date May data was encoded
ENCODE6	CHARACTER	10	Date Jun data was encoded
ENCODE7	CHARACTER	10	Date Jul data was encoded
ENCODE8	CHARACTER	10	Date Aug data was encoded
ENCODE9	CHARACTER	10	Date Sept data was encoded
ENCODE10	CHARACTER	10	Date Oct data was encoded
ENCODE11	CHARACTER	10	Date Nov data was encoded
ENCODE12	CHARACTER	10	Date Dec data was encoded
FNQN1	CHARACTER	5	Jan folio and questionnaire numbers (blank)
FNQN2	CHARACTER	5	Feb folio and questionnaire numbers (blank)
FNQN3	CHARACTER	5	Mar folio and questionnaire numbers (blank)
FNQN4	CHARACTER	5	Apr folio and questionnaire numbers (blank)
FNQN5	CHARACTER	5	May folio and questionnaire numbers (blank)
FNQN6	CHARACTER	5	Jun folio and questionnaire numbers (blank)
FNQN7	CHARACTER	5	Jul folio and questionnaire numbers (blank)
FNQN8	CHARACTER	5	Aug folio and questionnaire numbers (blank)
FNQN9	CHARACTER	5	Sept folio and questionnaire numbers (blank)
FNQN10	CHARACTER	5	Oct folio and questionnaire numbers (blank)
FNQN11	CHARACTER	5	Nov folio and questionnaire numbers (blank)
FNQN12	CHARACTER	5	Dec folio and questionnaire numbers (blank)
CONTACT	CHARACTER	45	Establishment contact person from QSME
CONT_ADD	CHARACTER	128	Address of contact person from QSME
TELEPHONE	CHARACTER	25	Tel. No. of contact person from QSME
FAX	CHARACTER	10	Facsimile No. of contact person from QSME
E_MAIL	CHARACTER	30	E_mail address of contact person from QSME
RU_REG	CHARACTER	2	Region code of reporting unit
RU_DIST	CHARACTER	2	Province code of reporting unit (for NCR: 01=NCR I, 02=NCR II, 03=NCR III, ... 06=NCR VI)
RU_MUN	CHARACTER	2	Municipality code of reporting unit

MSP-yyyy.DBF (Encoded data from questionnaires where yyyy is the ref year)  
 Used by D\_UPD2.PRG, D\_ADDQ.PRG, D\_DELE.PRG, D\_CONSIS.PRG,  
 D\_OUT1.PRG and D\_JANDEC.PRG

File Description

Field Name	Type	Width	Description
SECTOR	CHARACTER	3	Sector code
MONTH	CHARACTER	2	Reference month
YEAR	CHARACTER	4	Reference year
CODE	NUMERIC	3	Commodity code
FOLIO_NO	CHARACTER	2	Folio number (blank)
QUEST_NO	CHARACTER	2	Questionnaire number (blank)
ECN	CHARACTER	14	Unique establishment ID
BEG_INV	NUMERIC	13	Volume of beginning inventory
PRODN	NUMERIC	13	Volume of production
PURCHASED	NUMERIC	13	Volume of purchased/received/imported products
INT_CONS	NUMERIC	13	Volume of internal consumption
DOM_SALES	NUMERIC	13	Volume of domestic sales
EXP_SALES	NUMERIC	13	Volume of export sales
TRANSFER	NUMERIC	13	Volume of transfer
END_INV	NUMERIC	13	Volume of ending inventory
VALUE_PROD	NUMERIC	15	Value of production
EMPLOY	NUMERIC	9	Total employment
PCAPACITY	NUMERIC	13	Production capacity
I_BEG	CHARACTER	1	Indicator for beginning inventory (A=actual, I-imputed, Z=zero for the month) - blank
I_PRO	CHARACTER	1	Indicator for production (A=actual, I-imputed, Z=zero for the month) - blank
I_PUR	CHARACTER	1	Indicator for purchased/received/imported (A=actual, I-imputed, Z=zero for the month) - blank
I_INT	CHARACTER	1	Indicator for internal consumption (A=actual, I-imputed, Z=zero for the month) - blank
I_DOM	CHARACTER	1	Indicator for domestic sales (A=actual, I-imputed, Z=zero for the month) - blank
I_EXP	CHARACTER	1	Indicator for export sales (A=actual, I-imputed, Z=zero for the month) - blank
I_TRA	CHARACTER	1	Indicator for transfer (A=actual, I-imputed, Z=zero for the month) - blank
I_END	CHARACTER	1	Indicator for ending inventory (A=actual, I-imputed, Z=zero for the month) - blank
I_VAL	CHARACTER	1	Indicator for value of production (A=actual, I-imputed, Z=zero for the month) - blank
I_EMP	CHARACTER	1	Indicator for employment (A=actual, I-imputed, Z=zero for the month) - blank
I_PCA	CHARACTER	1	Indicator for production capacity (A=actual, I-imputed, Z=zero for the month) - blank
REMARKS	CHARACTER	50	Remarks (blank)
UPD	CHARACTER	1	Update code (blank)
ATE	NUMERIC	5	Total employment from List of Establishments
CAP_CODE	NUMERIC	3	Capacity code (blank)
CONT_RESP	CHARACTER	1	Indicator for continuous response

**SQmmyy.DBF (Daily cumulative status of receipt by sector for month 'mm', year 'yy') - output of D\_SQSTAT.PRG**

**File Description**

Field Name	Type	Width	Description
SECTOR	CHARACTER	3	Sector code
NO_SAMPLES	NUMERIC	6	Number of samples for the sector
REF_MONTH	CHARACTER	8	Reference month
START_DATE	CHARACTER	10	Start date of receipt (set at 10 <sup>th</sup> day after ref month)
DAY1	NUMERIC	6	Day 1 of start date
DAY2	NUMERIC	6	Day 2 of start date
DAY3	NUMERIC	6	Day 3 of start date
.	NUMERIC	.	.
.	NUMERIC	.	.
.	NUMERIC	.	.
DAY90	NUMERIC	6	Day 90 of start date
DAY91_OVER	NUMERIC	6	91 days after start date

**RQmmyy.DBF (Daily cumulative status of receipt by region for month 'mm', year 'yy') -output of D\_RQSTAT.PRG**

**File Description**

Field Name	Type	Width	Description
REGION	CHARACTER	2	Sector code
NO_SAMPLES	NUMERIC	6	Number of samples for the sector
REF_MONTH	CHARACTER	8	Reference month
START_DATE	CHARACTER	10	Start date of receipt (set at 10 <sup>th</sup> day after ref month)
DAY1	NUMERIC	6	Day 1 of start date
DAY2	NUMERIC	6	Day 2 of start date
DAY3	NUMERIC	6	Day 3 of start date
.	NUMERIC	.	.
.	NUMERIC	.	.
.	NUMERIC	.	.
DAY90	NUMERIC	6	Day 90 of start date
DAY91_OVER	NUMERIC	6	91 days after start date

**SQE-mmyy.DBF (Current status of encoding by sector for month 'mm', year 'yy') - output of D\_SQENCO.PRG**

**File Description**

Field Name	Type	Width	Description
REF_MONTH	CHARACTER	2	Reference month
REF_YEAR	NUMERIC	4	Reference year
AS_OF	CHARACTER	10	Date of status report
SECTOR	CHARACTER	3	Sector code
NO-QUESTS	NUMERIC	5	Number of questionnaires distributed
RECEIVED	NUMERIC	5	Number of questionnaires received
ENCODED	NUMERIC	5	Number of questionnaires encoded

**RQE-mmyy.DBF (Current status of encoding by region month 'mm', year 'yy')**  
 - output of RQENCO.PRG

File Description

Field Name	Type	Width	Description
REF_MONTH	CHARACTER	2	Reference month
REF_YEAR	NUMERIC	4	Reference year
AS_OF	CHARACTER	10	Date of status report
REGION	CHARACTER	2	Region code
NO-QUESTS	NUMERIC	5	Number of questionnaires distributed
RECEIVED	NUMERIC	5	Number of questionnaires received
ENCODED	NUMERIC	5	Number of questionnaires encoded

**STRCyyyy.DBF (Current status of receipt for the months of Jan-Dec of year 'yyyy')**  
 -output of D\_STATRC.PRG

File Description

Field Name	Type	Width	Description
REGION	CHARACTER	2	Region code
PROVINCE	CHARACTER	2	Province code
DESCRIP	CHARACTER	50	Description of region/province
WORKLOAD	NUMERIC	5	Workload in region/province
JAN	NUMERIC	5	Number of Jan questionnaires received
FEB	NUMERIC	5	Number of Feb questionnaires received
MAR	NUMERIC	5	Number of Mar questionnaires received
APR	NUMERIC	5	Number of Apr questionnaires received
MAY	NUMERIC	5	Number of May questionnaires received
JUN	NUMERIC	5	Number of Jun questionnaires received
JUL	NUMERIC	5	Number of Jul questionnaires received
AUG	NUMERIC	5	Number of Aug questionnaires received
SEP	NUMERIC	5	Number of Sept questionnaires received
OCT	NUMERIC	5	Number of Oct questionnaires received
NOV	NUMERIC	5	Number of Nov questionnaires received
DEC	NUMERIC	5	Number of Dec questionnaires received

**RESPmmyy.DBF (Date of receipt and encoding of responding establishments for the month 'mm' and year 'yy')** - output of D\_RESP.PRG

File Description

Field Name	Type	Width	Description
SECTOR	CHARACTER	3	Sector code
YEAR	CHARACTER	4	Reference year
ECN	CHARACTER	14	Establishment unique ID
NAME	CHARACTER	75	Name of establishment
MONTHm	CHARACTER	10	Date of receipt of month 'm' questionnaire
ENCODEm	CHARACTER	10	Date of encoding of month 'm' questionnaire
REMARKm	CHARACTER	10	Remark on month 'm' questionnaire

**NESmmyy.DBF (List of establishments not yet received for ref month 'mm' and year 'yy') - used by D\_NRESP.PRG**

**File Description**

Field Name	Type	Width	Description
SECTOR	CHARACTER	3	Sector code
YEAR	CHARACTER	4	Reference year
ECN	CHARACTER	14	Establishment unique ID
NAME	CHARACTER	75	Name of establishment
MONTHm	CHARACTER	10	Blank
ENCODEm	CHARACTER	10	Blank
REMARKm	CHARACTER	10	Blank

**ENCOmmyy.DBF (Date of receipt and encoding of encoded questionnaires for ref month 'mm' and year 'yy') - output of D\_ENCO.PRG**

**File Description**

Field Name	Type	Width	Description
SECTOR	CHARACTER	3	Sector code
YEAR	CHARACTER	4	Reference year
ECN	CHARACTER	14	Establishment unique ID
NAME	CHARACTER	75	Name of establishment
MONTHm	CHARACTER	10	Date of receipt of month 'm' questionnaire
ENCODEm	CHARACTER	10	Date of encoding of month 'm' questionnaire
REMARKm	CHARACTER	10	Remark on month 'm' questionnaire

**NENCmmyy.DBF (list of not encoded questionnaires for ref month 'mm' and year 'yy') - output of D\_NOTENC.PRG**

**File Description**

Field Name	Type	Width	Description
SECTOR	CHARACTER	3	Sector code
YEAR	CHARACTER	4	Reference year
ECN	CHARACTER	14	Establishment unique ID
NAME	CHARACTER	75	Name of establishment
MONTHm	CHARACTER	10	Date of receipt of month 'm' questionnaire
ENCODEm	CHARACTER	10	Date of encoding of month 'm' questionnaire
REMARKm	CHARACTER	10	Remark on month 'm' questionnaire

sssmmyy.T01 (first output file of MSP generated by Foxpro system – output of D\_OUT1.PRG)

File Description

Field Name	Type	Width	Decimal	Description
YEAR	CHARACTER	4		Reference year
MONTH	CHARACTER	2		Reference month
SECTOR	CHARACTER	3		Sector code
ECN	CHARACTER	14		Establishment unique ID
ATE	NUMERIC	5		Total employment as reported in MSP
CODE	NUMERIC	3		Commodity code
BEG_INV	NUMERIC	13	3	Volume of beginning inventory
PRODN	NUMERIC	13	3	Volume of Production
PURCHASED	NUMERIC	13	3	Volume of Purchased/received/imported
INT_CONS	NUMERIC	13	3	Volume of internal consumption
DOM_SALES	NUMERIC	13	3	Volume of Domestic Sales
EXP_SALES	NUMERIC	13	3	Volume of Export Sales
TRANSFER	NUMERIC	13	3	Volume of Transfers
END_INV	NUMERIC	13	3	Volume of ending inventory
VALUE_PROD	NUMERIC	15		Value of Production

sssmmyy.T05 (third output file of MSP generated by Foxpro system – output of D\_OUT1.PRG)

File Description

Field Name	Type	Width	Decimal	Description
YEAR	CHARACTER	4		Reference year
MONTH	CHARACTER	2		Reference month
SECTOR	CHARACTER	3		Sector code
ECN	CHARACTER	14		Unique establishment ID
CODE	NUMERIC	3		Commodity code
BEG_INV	NUMERIC	13	3	Beg inventory volume
PRODN	NUMERIC	13	3	Production volume
PURCHASED	NUMERIC	13	3	Purchased/received/imported volume
INT_CONS	NUMERIC	13	3	Internal consumption volume
DOM_SALES	NUMERIC	13	3	Domestic sales volume
EXP_SALES	NUMERIC	13	3	Export sales volume
TRANSFER	NUMERIC	13	3	Volume of transfer
END_INV	NUMERIC	13	3	Ending inventory volume
U_PRICE	NUMERIC	10	2	Unit price
VALUE_PROD	NUMERIC	15		Value of production (for used by Excel system)
VALUE_SHIP	NUMERIC	15		Value of shipment (blank, for used by Excel system)
VALUE_INV	NUMERIC	15		Value of ending inventory (blank, for used by Excel system)
CONT_RESP	CHARACTER	1		Continuous response (blank, for used by Excel system)

Note: This table is similar to first output table except that it has unit price.

**sssBASyy.T06 (fourth output file of MSP generated by Foxpro system – output of D\_OUT1.PRG**

**File Description**

Field Name	Type	Width	Decimal	Description
YEAR	CHARACTER	4		Reference year
MONTH	CHARACTER	2		Reference month
SECTOR	CHARACTER	3		Sector code
ECN	CHARACTER	14		Unique establishment ID
CODE	NUMERIC	3		Commodity code
BEG_INV	NUMERIC	13	3	Monthly ave volume of beg. inventory (Jan-Jun)
PRODN	NUMERIC	13	3	Monthly ave volume of production (Jan-Jun)
PURCHASED	NUMERIC	13	3	Monthly ave volume of purchased/received/imported (Jan-Jun)
INT_CONS	NUMERIC	13	3	Monthly ave volume of internal consumption (Jan-Jun)
DOM_SALES	NUMERIC	13	3	Monthly ave volume of domestic sales (Jan-Jun)
EXP_SALES	NUMERIC	13	3	Monthly ave volume of export sales (Jan-Jun)
TRANSFER	NUMERIC	13	3	Monthly ave volume of transfer (Jan-Jun)
U_PRICE	NUMERIC	10	2	Monthly ave. unit price (Jan-Jun)
VALUE_PROD	NUMERIC	15		Total value of production (Jan-Jun)
VALUE_SHIP	NUMERIC	15		Total value of shipment (domestic+export)
VALUE_INV	NUMERIC	15		Monthly ave value of ending inventory
CONT_RESP	CHARACTER	1		Continuous response (blank)

Note: To get monthly ave. volume of a specific commodity of one establishment, sum up the volume report of the establishment for such commodity from January-June, then divide the sum by the number of months the establishment reported the commodity from Jan-Jun.

**sssBASyy.T07 (fifth output file of MSP generated by Foxpro system – output of D\_OUT1.PRG**

**File Description**

Field Name	Type	Width	Decimal	Description
YEAR	CHARACTER	4		Reference year
SECTOR	CHARACTER	3		Sector code
CODE	NUMERIC	3		Commodity code
ECN	CHARACTER	14		Unique establishment ID
PCAPACITY	NUMERIC	13	3	Monthly ave volume of production capacity (Jan-Jun)
VALUE_PROD	NUMERIC	13	3	Monthly ave value of production (Jan-Jun)

Note: Value of Production is the average of the value of production of all commodities covered by the commodity item in Production Capacity. Computation of the monthly ave. value of production capacity is similar to fourth output table (sssBASyy.T06).



**Operation Manual of "Indexmsp"  
(Index Generator by VB-Macro in Excel)**

**JICA STUDY TEAM**

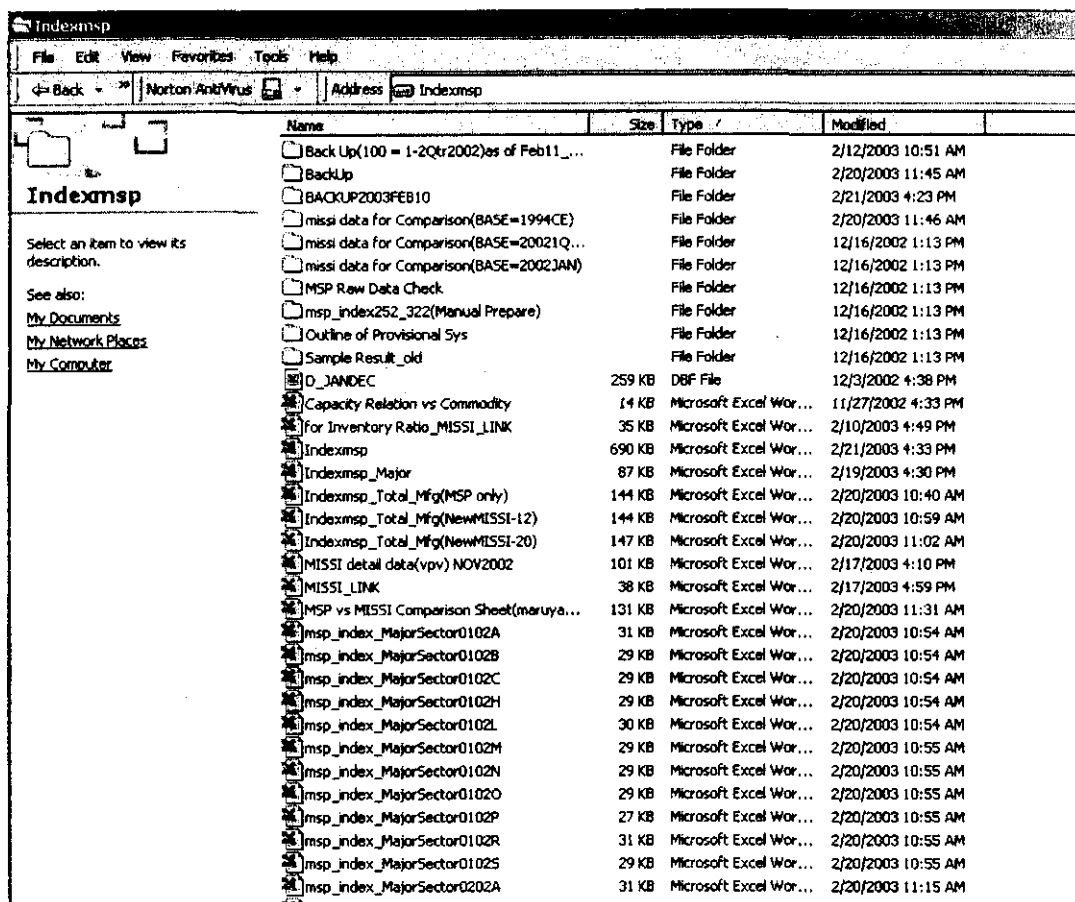
**17 March 2003**

## 1 Index Generator Programs

### 1.1 Structure of the Index Generator Programs

Index Generator Programs consists of five Microsoft Excel files (macro program modules):

- Indexmsp.xls
- Indexmsp\_Major.xls
- Indexmsp\_Total\_Mfg(MSP only).xls
- Indexmsp\_Total\_Mfg(NewMISSI-12).xls
- Indexmsp\_Total\_Mfg(NewMISSI-20).xls
- *Indexmsp\_TSL\_Commodity\_XXX.xls (\* XXX = 151-359) \* in Construction*



And other files:

- "MISSI\_LINK.xls", a separate file that contains the weight tables needed for the computation of the indices, is also part of the programs.
- "MSP Raw Data", a subdirectory that contains raw data for major sectors
- "MSP vs MISSI Comparison Sheet", a file that compares the MSP and MISSI trend for the reference period

- Result files for PSIC 252 and 322 which show the manually entered VoPI for the two sectors
- Time Series for each sector

#### 1.1.1 Location of the Index Generator Programs (folder of "C:\Indexmsp")

The Index Generator Programs, weight tables and other necessary files are all in the folder c:\Indexmsp. This folder also contains the generated Monthly Result Files.

And, the input files generated by Fox Pro System, which serve as raw data for the index computation are in the folder of "C:\msp system v2".

These table files of original actual data (such as "XXXXXXX.T03", "XXXXXXX.T05", "XXXXXXX.T06", "XXXXXXX.T07" etc.) are normally generated in the "Comp2" (= the computer, next to the Laser Printer at JICA Team Office). Therefore, when Monthly Process of the Fox Pro System updates the table files of original actual data, all the table files should be copied from the folder of "C:\msp system v2" in the "Comp2" to the folder of "C:\msp system v2" in the other computer that has the Index Generator Programs.

(\* If the Index Generator Program will be executed in "Comp2", the above mentioned copy process is not required.)

#### 1.1.2 Index Generator for Commodity and Sector Index ("Indexmsp.xls")

Indexmsp.xls is an index generator program that calculates the commodity and sector indices. It is the generator program that should be accomplished first. The input files are Tables 1, 3, 5, 6 and 7 generated by the Fox Pro System. This program generates monthly results and shows the index for production, sales, inventory and production capacity with the data for the base period, previous month and the survey month. The user must confirm the existence of the table files of Original Actual Data for the reference months that are generated by Fox Pro System in the folder of "C:/Indexmsp". The output file will be generated based on the specific sector and month. All the sectors are processed at a time (Need not be entered on the sheet of "Month Select"). Imputations should be entered in the result files.

#### 1.1.3 Index Generator for Major Sector Index ("Indexmsp\_Major.xls")

Indexmsp\_Major.xls calculates major sector index by summarizing the sector indices generated by Indexmsp.xls. The major sector indices for production, sales, inventory and production capacity will be generated by this program. The Monthly Result Files will be produced based on the

month specified. All the major sectors are processed at a time (Need not be entered on the sheet of "Month Select").

#### 1.1.4 Index Generator for Composite Indices of Total Manufacturing

Index Generator Programs for Composite Indices of Total Manufacturing has 3 versions as shown below;

- Indexmsp\_Total\_Mfg(MSP only).xls
- Indexmsp\_Total\_Mfg(NewMISSI-12).xls
- Indexmsp\_Total\_Mfg(NewMISSI-20).xls

##### 1.1.4.1 Indexmsp\_Total\_Mfg(MSP only).xls

This program generates the time series Indices of Total Manufacturing for production, sales, inventory, and actual inventory ratio with table and graph. And the detailed time series tables for major sector indices on production, sales, inventory, and actual inventory ratio with sector totals attached on the generated file.

The generated time series table has the target major sectors for MSP. It has 11 major sectors in which the volume data can be obtained directly from the establishments.

##### 1.1.4.2 Indexmsp\_Total\_Mfg(NewMISSI-12).xls

This program also generates the time series Indices of Total Manufacturing for production, sales, inventory, and actual inventory ratio with table and graph. And the detailed time series tables for major sector indices on production, sales, inventory, and actual inventory ratio with sector totals attached on the generated file.

The generated time series table has 12 target major sectors the JICA Team selected as the "key major sectors", including 11 major sectors from MSP in which that the volume data can be obtained directly from the establishments and "FOOTWEAR & WEARING APPAREL" from MISSI.

However, the volume data of major sector "FOOTWEAR & WEARING APPAREL" cannot be obtained directly from the establishments. The index figures for this major sector should be copied from VoPI of MISSI into each detail time series tables for production, sales, and inventory in the "Indexmsp\_Total\_Mfg(NewMISSI-12).xls" before or after execution of the macro program.

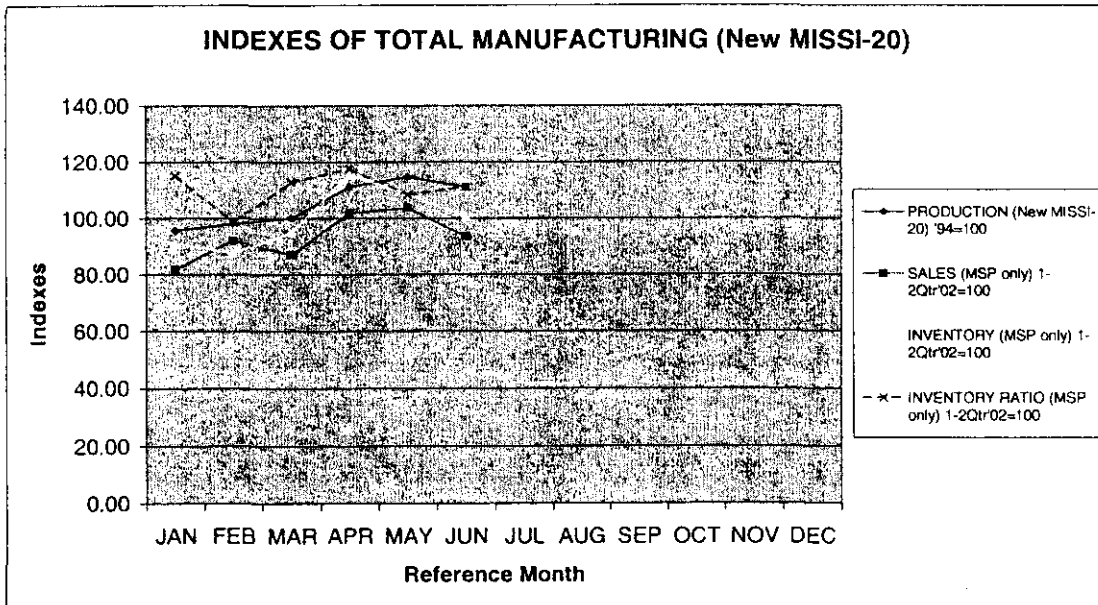
### 1.1.4.3 Indexmsp\_Total\_Mfg(NewMISSI-20).xls

This program also generates the time series Indices of Total Manufacturing for production, sales, inventory, and actual inventory ratio with table and graph. And the detail time series tables for major sector indices on production, sales, inventory, and actual inventory ratio with sector totals attached on the generated file.

The generated time series table has 20 target major sectors same as the present MISSI. It consists of 11 major sectors from MSP in which the volume data can be obtained directly from the establishments and 9 other major sectors from MISSI.

However, the volume data for 9 other major sectors of MISSI cannot be obtained directly from the establishments. The indices for these major sectors should be copied from Volume of Production Index (VoPI) of MISSI into each detailed time series tables for production, sales, and inventory in the "Indexmsp\_Total\_Mfg(NewMISSI-20).xls" before or after execution of the macro program.

#	INDEXES OF TOTAL MFG. (New MISSI-20)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
I.	PRODUCTION (New MISSI-20) '94=100	95.58	98.14	100.14	111.19	114.74	111.18						
II.	SALES (MSP only) 1-2Qtr'02=100	81.83	92.02	87.05	101.71	103.69	93.52						
III.	INVENTORY (MSP only) 1-2Qtr'02=100	91.02	87.59	94.91	115.48	108.54	100.47						
IV.	INVENTORY RATIO (MSP only) 1-2Qtr'02=100	115.20	98.58	112.92	117.59	108.40	111.27						



Group (M.S.)	Name of Mfg. (New MISSI-20)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
A	I. MANUFACTURE OF FOOD PRODUCTS	61.50	63.04	59.53	77.10	87.34	69.14						
B	II. BEVERAGES	56.71	56.67	58.67	154.19	163.85	144.63						
C	III. TOBACCO	111.60	97.52	89.66	106.47	117.13	110.14						
D	IV. TEXTILES	64.68	73.38	78.77	78.83	76.81	83.36	84.01	93.83	93.10			
E	V. FOOTWEAR & WEARING APPAREL	33.72	42.28	34.73	37.41	43.04	42.50	46.55	48.60	48.18			
F	VI. WOOD PRODUCTS	62.62	72.52	73.85	70.77	77.53	62.58	83.56	83.67	76.61			
G	VII. FURNITURE & FIXTURES	50.07	58.02	67.16	54.69	53.09	59.50	52.20	62.63	54.92			
H	VIII. PAPER & PAPER PRODUCTS	83.72	75.18	89.16	92.81	94.28	101.73						
F	IX. PUBLISHING & PRINTING	162.81	143.59	148.55	150.97	181.42	167.57	169.95	169.41	168.49			
J	X. LEATHER PRODUCTS	42.75	17.17	44.39	28.38	45.70	43.91	79.48	82.33	67.07			
K	XI. RUBBER PRODUCTS	67.96	59.97	53.91	56.50	58.06	54.01	54.58	60.29	59.28			
L	XII. CHEMICALS PRODUCTS	150.72	147.25	143.91	153.85	135.31	144.16						
M	XIII. PETROLEUM PRODUCTS	68.33	60.89	78.80	81.03	84.63	84.76						
N	XIV. NON-METALLIC MINERAL PRODUCTS	94.84	91.38	110.82	99.38	110.17	101.27						
O	XV. BASIC METALS	50.70	55.67	47.94	53.14	47.08	56.22						
P	XVI. FABRICATED METAL PRODUCTS	121.70	138.79	142.94	124.51	135.49	168.69						
Q	XVII. MACHINERY EXCLUDING ELECTRICAL	388.12	382.97	318.39	388.84	371.80	344.06	337.69	365.75	399.12			
R	XVIII. ELECTRICAL MACHINERY	168.41	192.77	204.88	193.06	206.09	204.60						
S	XIX. TRANSPORT EQUIPMENT	75.46	81.46	76.45	88.14	89.15	87.57						
T	XX. MISCELLANEOUS MANUFACTURE	69.01	76.13	72.22	85.11	87.52	73.72	77.55	79.03	81.41			
	TOTAL MANUFACTURING	95.56	98.14	100.14	111.19	114.74	111.16	14.30	15.49	15.49			

### Weight Table ("MISSI\_LINK.xls")

The Weight Table should be prepared manually. The weights for each sectors should be verified first and updates if necessary.

The Index Generator for Major Sector (Indexmsp\_Major.xls) refers to the Weight Table when the Macro Program is executed.

Weight Table should be revised in the following cases;

- (1) In case the VoPI of MISSI in the base period is revised
- (2) In case the Base Year is revised
- (3) In case the Sector Weights are revised

A	B	C	D	E	F	G	H	I	J	K
PSIC	MISSI 1994	MISSI 2002 (1-2004)	Share Year Coefficient (Production)	Weight SACS (2002)	Weight SACS (2004)	Weight SACS (2004)	Major Sector Classification	Name of Mfg.		
1	151	100.00	99.10	0.9910	0.2250	0.2250	A	MANUFACTURE OF FOOD PRODUCTS		
2	151	100.00	99.10	0.9910	0.2250	0.2250	A	MANUFACTURE OF FOOD PRODUCTS		
3	151	100.00	99.10	0.9910	0.2250	0.2250	A	MANUFACTURE OF FOOD PRODUCTS		
4	152	100.00	89.70	0.8970	0.1472	0.1472	A	MANUFACTURE OF FOOD PRODUCTS		
5	154	100.00	90.47	0.9047	0.2223	0.2223	A	MANUFACTURE OF FOOD PRODUCTS		
6	157	100.00	66.16	0.6616	0.2008	0.2008	A	MANUFACTURE OF FOOD PRODUCTS		
7	158	100.00	05.55	1.0555	1.0000	1.0000	B	BEVERAGES		
8	160	100.00	106.42	1.0642	1.0000	1.0000	C	TOBACCO		
9	210	100.00	90.68	0.9068	1.0000	1.0000	H	PAPER & PAPER PRODUCTS		
10	232	100.00	76.41	0.7641	1.0000	1.0000	M	PETROLEUM PRODUCTS		
11	241	100.00	85.95	0.8595	0.1134	0.1134	L	CHEMICALS PRODUCTS		
12	242	100.00	178.07	1.7807	0.6177	0.6177	L	CHEMICALS PRODUCTS		
13	252	100.00		1.0000	0.1609	0.1609	L	CHEMICALS PRODUCTS		
14	261	100.00	36.30	0.3630	0.2598	0.2598	N	NON-METALLIC MINERAL PRODUCTS		
15	262	100.00	128.40	1.2840	0.7418	0.7418	N	NON-METALLIC MINERAL PRODUCTS		
16	271	100.00	37.10	0.3710	0.5591	0.5591	D	BASIC METALS		
17	272	100.00	94.33	0.9433	0.3318	0.3318	D	BASIC METALS		
18	261	100.00	151.81	1.5181	1.0000	1.0000	P	FABRICATED METAL PRODUCTS		
19	291	100.00	40.65	0.4065	0.1074	0.1074	R	ELECTRICAL MACHINERY		
20	300	100.00	40.65	0.4065	0.0905	0.0905	R	ELECTRICAL MACHINERY		
21	314	100.00	61.08	0.6108	0.0627	0.0627	R	ELECTRICAL MACHINERY		
22	320	100.00	40.65	0.4065	0.1262	0.0908	R	ELECTRICAL MACHINERY		
23	322	100.00	377.78	3.7778	0.4639	0.1053	R	ELECTRICAL MACHINERY		
24	330	100.00	40.65	0.4065	0.1802	0.1802	R	ELECTRICAL MACHINERY		
25	341	100.00	66.18	0.6618	0.7027	0.6673	S	TRANSPORT EQUIPMENT		
26	343	100.00	66.18	0.6618	0.1187	0.1187	S	TRANSPORT EQUIPMENT		
27	369	100.00	66.18	0.6618	0.7395	0.6810	S	TRANSPORT EQUIPMENT		

## 1.2 Relationship with Fox Pro System

- The Fox Pro System is used for encoding, verifying and tabulating the data for every establishment and sector. The tables generated by the system serve as the input files for the Index Generator Programs.
- The Index Generator Programs are used to calculate indices for the commodity, sectors and major sectors. The generated indices are based on the data produced by the Fox Pro System. Missing data will then be imputed.
- The relationship between the table files of "original actual data" generated by Fox Pro System and working sheets on the "Monthly Result Files" generated by Excel Macro is shown in following examples;

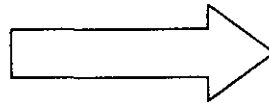
< Table files of "original actual data" >  
(by Fox Pro System)

<"Monthly Result Files">  
(by Excel Macro)

in the folder of "C:\msp system v2"

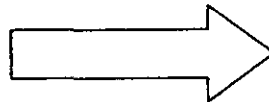
in the folder of "C:\Indexmsp"

- 151BAS02.T05  
- 1510102.T05  
- 1510202.T05  
- 1510302.T05  
- 1510402.T05  
- 1510502.T05



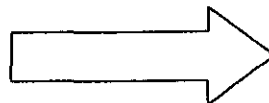
- "WK-B"  
- "WK-S" or "WK-P"  
- "WK-S" or "WK-P"  
- "WK-S" or "WK-P"  
- "WK-S" or "WK-P"  
- "WK-S" or "WK-P"

- 151BAS02.T07  
- 1510102.T03  
- 1510202.T03  
- 1510302.T03  
- 1510402.T03  
- 1510502.T03

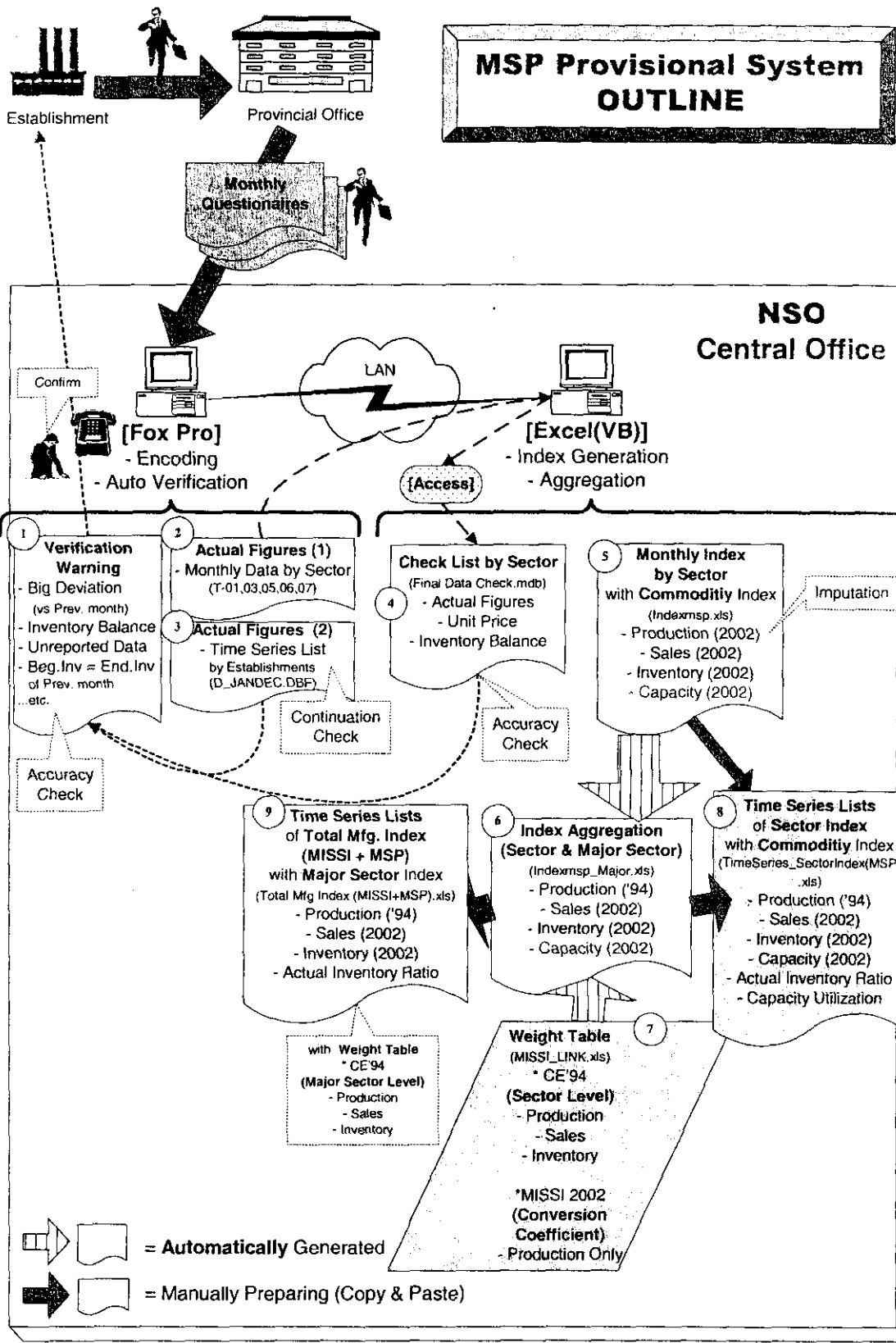


- "CWK-B"  
- "CWK-S" or "CWK-P"  
- "CWK-S" or "CWK-P"  
- "CWK-S" or "CWK-P"  
- "CWK-S" or "CWK-P"  
- "CWK-S" or "CWK-P"

- 158BAS02.T05  
- 1580102.T05  
- 1580202.T05  
- 1580302.T05



- "WK-B"  
- "WK-S" or "WK-P"  
- "WK-S" or "WK-P"  
- "WK-S" or "WK-P"





### 1.3 Concept of the Calculation Target (Receiving Data from Fox Pro System)

◇ *The following issues should be explained.*

- *Fox Pro System provides the Total Value of Production, Sales and Inventory by commodity which consists of average values of Production, Sales and Inventory by the "Key establishments (continuous establishment)".*

\* *Average value = the actual figures (Production, Sales and Inventory) for quantity \* unit price / number of times that the unit price can be calculated out of the responded times from each establishment.*

\* *Unit price = Sales Quantity / Production Quantity in each record of establishment*

\* *Total Value of Production, Sales and Inventory by commodity = Commodity Weights*

- *Index Generator for Commodity and Sector Indices ("Indexmsp.xls") receives the above data and calculate the indices from the records (by establishment on each commodity) that are including the Average Value of Production, Sales and Inventory.*

--- Concept Image of the "Base Figures" from Fox Pro ----

Commodity- 101	JAN	FEB	MAR	APR	MAY	JUN	Base figure for Commodity Index
Establishment- A	10	20	20	40	40	50	30
Establishment- B	30	10	20				20
Establishment- C				40			40
	40	30	40	80	40	50	90
	90	90	90	90	90	90	←
	"	"	"	"	"	"	"
Commodity Index	0.44	0.33	0.44	0.89	0.44	0.56	
Average Monthly Index of Base Period	0.52						should be 1.00



Commodity- 101	JAN	FEB	MAR	APR	MAY	JUN	Base figure for Commodity Index
Establishment- A	10	20	20	40	40	50	30
Establishment- B	30	10	20	20	20	20	20
Establishment- C				40			40
	40	30	40	60	60	70	50
	50	50	50	50	50	50	←
	"	"	"	"	"	"	"
Commodity Index	0.80	0.60	0.80	1.20	1.20	1.40	
Average Monthly Index of Base Period	1.00						should be 1.00

<Image of emergency measure for the missing-data in the "Base Figures">

## 2 Preparation of input files and weight tables

### 2.1 Data transfer from Fox Pro System

Fox Pro System from a remote computer terminal produces the data needed for the index calculation. These data can be accessed by copying the files to the computer (c:\msp system V2) where the index generator programs are located. The programs will read from the subdirectory C:\msp system V2.

### 2.2 Base year conversion coefficient for the Sector Indices (MSP1-2Qtr 2002 = 100 -> CE1994 = 100)

When the figures of VoPI on MISSI in the base period are revised, Base year conversion coefficient should also be revised by each sector.

### 2.3 Sector Weights in each Major Sector

Each major sector has a weight attached to it. The weights of all sector and major sectors when totaled must be equal to 1. Weights for production, sales, and inventories are based on the 1994 CE.

### 2.4 Preparation of the "dummy indexmsp result file" on the sector: 252 and 322

Sectors 252 and 322 uses the indirect method for index computation. The *indexmsp.xls* cannot generate the indices for these two sectors. In order to include them in the major sector index calculation, a manual preparation of the index by encoding the necessary data must be accomplished.

### 2.5 Preparation of the MISSI indices for Major Sectors that are out of scope in MSP.

- Preparation for "Indexmsp\_Total\_Mfg(NewMISSI-12).xls"  
For the total manufacturing index, 12 major sectors will be included. It consists of 11 major sectors from MSP and one major sector (Footwear and Wearing Apparel) from MISSI. Index for the major sector from MISSI must be entered manually.
- Preparation for "Indexmsp\_Total\_Mfg(NewMISSI-20).xls"  
For the total manufacturing index, another program file which includes all 20 major sectors will be accomplished. It includes 11 major sectors from MSP and nine major sectors from MISSI. Index for nine major sectors from MISSI must be entered manually.

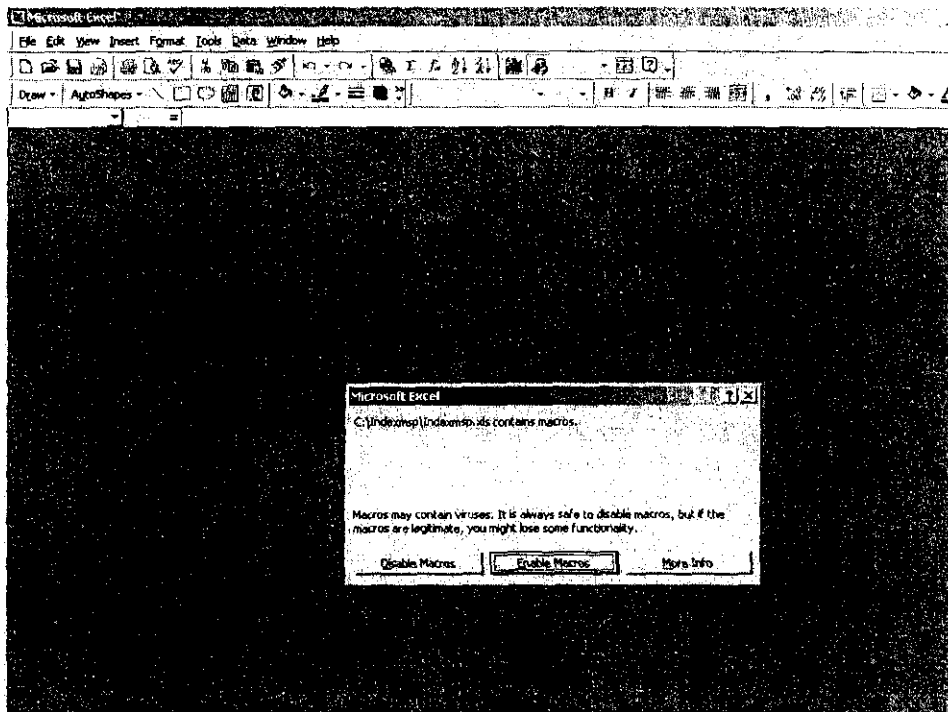
### 3 How to run the “Index Generator Programs:

The Index Generator Programs can be run in computers with Microsoft Office applications. Only one computer at this time is being used to run the programs.

#### 3.1 Index Generator for Commodity and Sector Index

##### 3.1.1 How to run the Macro Program of “Indexmsp.xls”

Double click the file **Indexmsp.xls** in subdirectory C:\Indexmsp. Click on the dialog box “Enable Macro”, and Press **Ctrl\_a** to run the macro program. There is an option to change the month and the year. No need to specify the sectors since that will be automatically generated. The file must be closed and opened again to generate the next month.



##### 3.1.2 The “Result Files” generated by “Indexmsp”

Files generated by Indexmsp.xls are by sector, month and year. The file will be saved in Excel format. The filename follows the format: index\_msp + PSIC + month + year .xls. The filename is automatically created by the program.

名前	サイズ	更新日時	種類
msp_index1510102.xls	606 KB	2003/02/27 16:05	Microsoft Excel...
msp_index1510202.xls	616 KB	2003/02/06 11:55	Microsoft Excel...
msp_index1510302.xls	616 KB	2003/02/06 12:06	Microsoft Excel...
msp_index1610402.xls	616 KB	2003/02/06 12:13	Microsoft Excel...
msp_index1510602.xls	615 KB	2003/02/18 18:22	Microsoft Excel...
msp_index1610602.xls	615 KB	2003/02/22 10:29	Microsoft Excel...
msp_index1520102.xls	471 KB	2003/02/06 11:45	Microsoft Excel...
msp_index1620202.xls	473 KB	2003/02/06 11:56	Microsoft Excel...
msp_index1620302.xls	473 KB	2003/02/06 12:06	Microsoft Excel...
msp_index1620402.xls	473 KB	2003/02/06 12:14	Microsoft Excel...
msp_index1620602.xls	473 KB	2003/02/18 18:22	Microsoft Excel...
msp_index1620602.xls	473 KB	2003/02/22 10:29	Microsoft Excel...
msp_index1540102.xls	488 KB	2003/02/06 11:46	Microsoft Excel...
msp_index1540202.xls	500 KB	2003/02/06 11:56	Microsoft Excel...
msp_index1540302.xls	500 KB	2003/02/06 12:06	Microsoft Excel...
msp_index1540402.xls	499 KB	2003/02/06 12:14	Microsoft Excel...
msp_index1540602.xls	500 KB	2003/02/18 18:22	Microsoft Excel...
msp_index1540602.xls	500 KB	2003/02/22 10:30	Microsoft Excel...
msp_index1550102.xls	390 KB	2003/02/06 11:46	Microsoft Excel...
msp_index1550202.xls	397 KB	2003/02/06 11:56	Microsoft Excel...
msp_index1550302.xls	397 KB	2003/02/06 12:07	Microsoft Excel...
msp_index1550402.xls	397 KB	2003/02/06 12:15	Microsoft Excel...
msp_index1550602.xls	397 KB	2003/02/18 18:23	Microsoft Excel...
msp_index1550602.xls	397 KB	2003/02/22 10:30	Microsoft Excel...
msp_index1570102.xls	417 KB	2003/02/06 11:46	Microsoft Excel...
msp_index1570202.xls	422 KB	2003/02/06 11:56	Microsoft Excel...
msp_index1570302.xls	422 KB	2003/02/06 12:06	Microsoft Excel...
msp_index1570402.xls	421 KB	2003/02/06 12:15	Microsoft Excel...
msp_index1570602.xls	419 KB	2003/02/18 18:23	Microsoft Excel...
msp_index1570602.xls	419 KB	2003/02/22 10:30	Microsoft Excel...
msp_index1580102.xls	519 KB	2003/02/06 11:45	Microsoft Excel...
msp_index1580202.xls	524 KB	2003/02/06 11:55	Microsoft Excel...
msp_index1580302.xls	524 KB	2003/02/06 12:06	Microsoft Excel...
msp_index1580402.xls	524 KB	2003/02/06 12:14	Microsoft Excel...

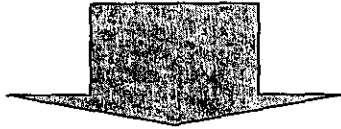
### 3.1.3 How to add the imputed figures on the “Result Files” of “Indexmsp”

Whenever there is a missing data on the result files, imputation may be applied. Methods of imputation can be used on certain cases. One method is to copy the data from the previous month or the base period. Note that the data should be verified first before imputation is done.

- Imputation methods should be determined on each establishment. The above-mentioned imputation method is just a simple counter measure.
- Normally, orthodox imputation methods are like as below;
  - Apply the figures of the same item on the previous month
  - Apply the figures of the same item on the same month of the previous year
  - Apply the figures that were multiplied by the growth rate of that commodity to the same item on the previous month...etc.

Year: 2002  
 Month: 06  
 PSIC: 151  
 Index calculation file --- 1. For Production Index

Commodity Cod	ECN	Production Volume			Comm. Index (c) = a / b * 100 1-2 Qtr 2002 = 100	Base Period (d) Weight	Sector Index = (c) * (d)
		Survey month (a) Quantity	Previous mon Quantity	Base period (b) Quantity			
106 340400077796D1		776.42	1027.62	679.20	114.31	-	
106 631200033696D1		7346.09	7908.24	7734.90	94.97	-	
106 631300093296D1		<del>1199223.00</del>	<del>1083900.00</del>	<del>2777.67</del>	100.00	-	
106 740300568596D1		1199223.00	1083900.00	625456.45	191.74	-	
106 760200954096D1		458.00	532.00	461.17	99.31	-	
<b>106 TOTAL</b>		<b>1207825.27</b>	<b>1094047.70</b>	<b>637523.41</b>	<b>189.46</b>	<b>0.14</b>	
107 141800098799D1		114.00	114.00	114.00	100.00	-	
107 282100012296D7		<del>0.00</del>	0.00	942.77	-	-	
107 292200010100D6		<del>114.23</del>	<del>167.60</del>	313.90	-	-	
107 340400077796D1		114.23	167.60	108.35	160.80	-	
107 740200347296D1		107.00	55.00	69.67	153.58	-	
107 740300358596D1		501.00	527.00	551.50	90.84	-	
107 750200250196D1		945.00	880.00	875.67	107.92	-	
107 750300100496D1		0.00		7.41	-	-	
107 750300301899D1		19.80	21.60	20.40	97.06	-	
107 750400058196D1		2139.06	2271.04	1855.92	115.26	-	
107 750400224496D1		5.59	4.58	4.25	131.53	-	
<b>107 TOTAL</b>		<b>4005.68</b>	<b>4040.82</b>	<b>4863.84</b>	<b>82.36</b>	<b>0.03</b>	
108 302200426096D1		292831.00	325454.00	282749.67	103.57	-	
<b>108 TOTAL</b>		<b>292,831.00</b>	<b>325,454.00</b>	<b>282,749.67</b>	<b>103.57</b>	<b>0.13</b>	
<b>GRAND TOTAL</b>					<b>1.00</b>	<b>125.17</b>	



Year: 2002  
 Month: 06  
 PSIC: 151  
 Index calculation file --- 1. For Production Index

Commodity Cod	ECN	Production Volume			Comm. Index (c) = a / b * 100 1-2 Qtr 2002 = 100	Base Period (d) Weight	Sector Index = (c) * (d)
		Survey month (a) Quantity	Previous mon Quantity	Base period (b) Quantity			
106 340400077796D1		776.42	1027.62	679.20	114.31	-	
106 631200033696D1		7346.09	7908.24	7734.90	94.97	-	
106 631300093296D1		<del>1199223.00</del>	<del>1083900.00</del>	<del>2777.67</del>	100.00	-	
106 740300568596D1		1199223.00	1083900.00	625456.45	191.74	-	
106 760200954096D1		458.00	532.00	461.17	99.31	-	
<b>106 TOTAL</b>		<b>1210602.94</b>	<b>1096825.37</b>	<b>637523.41</b>	<b>189.89</b>	<b>0.14</b>	
107 141800098799D1		114.00	114.00	114.00	100.00	-	
107 282100012296D7		<del>0.00</del>	0.00	942.77	-	-	
107 292200010100D6		<del>313.90</del>	<del>313.90</del>	313.90	100.00	-	
107 340400077796D1		114.23	167.60	108.35	160.80	-	
107 740200347296D1		107.00	55.00	69.67	153.58	-	
107 740300358596D1		501.00	527.00	551.50	90.84	-	
107 750200250196D1		945.00	880.00	875.67	107.92	-	
107 750300100496D1		0.00		7.41	-	-	
107 750300301899D1		19.80	21.60	20.40	97.06	-	
107 750400058196D1		2139.06	2271.04	1855.92	115.26	-	
107 750400224496D1		5.59	4.58	4.25	131.53	-	
<b>107 TOTAL</b>		<b>4319.58</b>	<b>4354.72</b>	<b>4863.84</b>	<b>88.81</b>	<b>0.03</b>	
108 302200426096D1		292831.00	325454.00	282749.67	103.57	-	
<b>108 TOTAL</b>		<b>292,831.00</b>	<b>325,454.00</b>	<b>282,749.67</b>	<b>103.57</b>	<b>0.13</b>	
<b>GRAND TOTAL</b>					<b>1.00</b>	<b>125.40</b>	

### 3.2 Index Generator for Major Sector Index

#### 3.2.1 How to execute the Macro Program of "Indexmsp\_Major.xls"

On C:\indexmsp, double click on the file "**Indexmsp\_Major.xls**". This program calculates the major sector index. The month should be specified first. Next press **Ctrl\_a** to run the program. The major sectors need not be specified since they will be automatically generated.

#### 3.2.2 The "Result Files" generated by "Indexmsp\_Major.xls"

The file will be saved in Excel format. The filename follows the format: msp\_index\_MajorSector + month + year .xls. The filename is also automatically created by the program.

### 3.3 Index Generator for Composite Indices of Total Manufacturing

#### 3.3.1 How to run the Macro Program of "Total Mfg Index (MISSI+MSP).xls"

On C:\indexmsp, double click on the file "Total Mfg Index (MISSI+MSP).xls". This program calculates the total manufacturing index. Before running this program, be sure that the major sector indices are generated.

#### 4 Other regular manual works

##### 4.1 Imputation

- ◇ *Examples of the imputation method (Copy from the previous month, Copy from the same month of the previous year, and Applying the Growth rate of the other responded establishments on the same commodity)*

##### 4.2 Preparation of the other time series index sheets (such as sector indices and commodity indices)

- ◇ *How to copy the monthly figures from the "Monthly Result Files" should be explained.*

\* Now, Automatic Generators of Time Series List of Index for Commodities & Sectors are in the trial development by ITSD Staff in NSO.

For example, on C:\indexmsp, double click on the file "Indexmsp\_TSL\_Commodity\_151.xls". This program generates the Time Series List for Sector 151:Food manufacturing index. Before running this program, be sure that the each result files of the sector indices (in this case "151") are generated.

#### 5 Other works in the future

##### 5.1 Recalculation for the annual revision

- ◇ *How to cope with the annual revision should be explained.*

##### 5.2 Revision of the Base-Period

- ◇ *How to cope with the Revision of the Base-Period should be explained.*



6 Estimated file size of the result files (per a year)

151	614	A	27	Total Mfg Index (MISSI+MSP).xls		
158	522	B	24	0.15 MB	Year	Annual Result file of Total Manufacturing
152	475	C	24			
154	496	H	24			
157	426	L	25			
155	400	M	24			
160	337	N	25			
210	341	O	25			
232	282	P	24			
241	242	R	27			
242	204	S	25			
261	161		274	0.3 MB	Month	~PQ
262	142					
271	97					
272	57					
281	75					
291	94					
300	65					
314	60					
321	52					
324	79					
341	76					
343	64					
359	54					
	5,415			5.4 MB	Month	~PQ
				64.98 MB	Year	Monthly Result file by Sector

64.98 :Result files for the Commodity & Sector indices

3.29 :Result files for the Major Sector indices

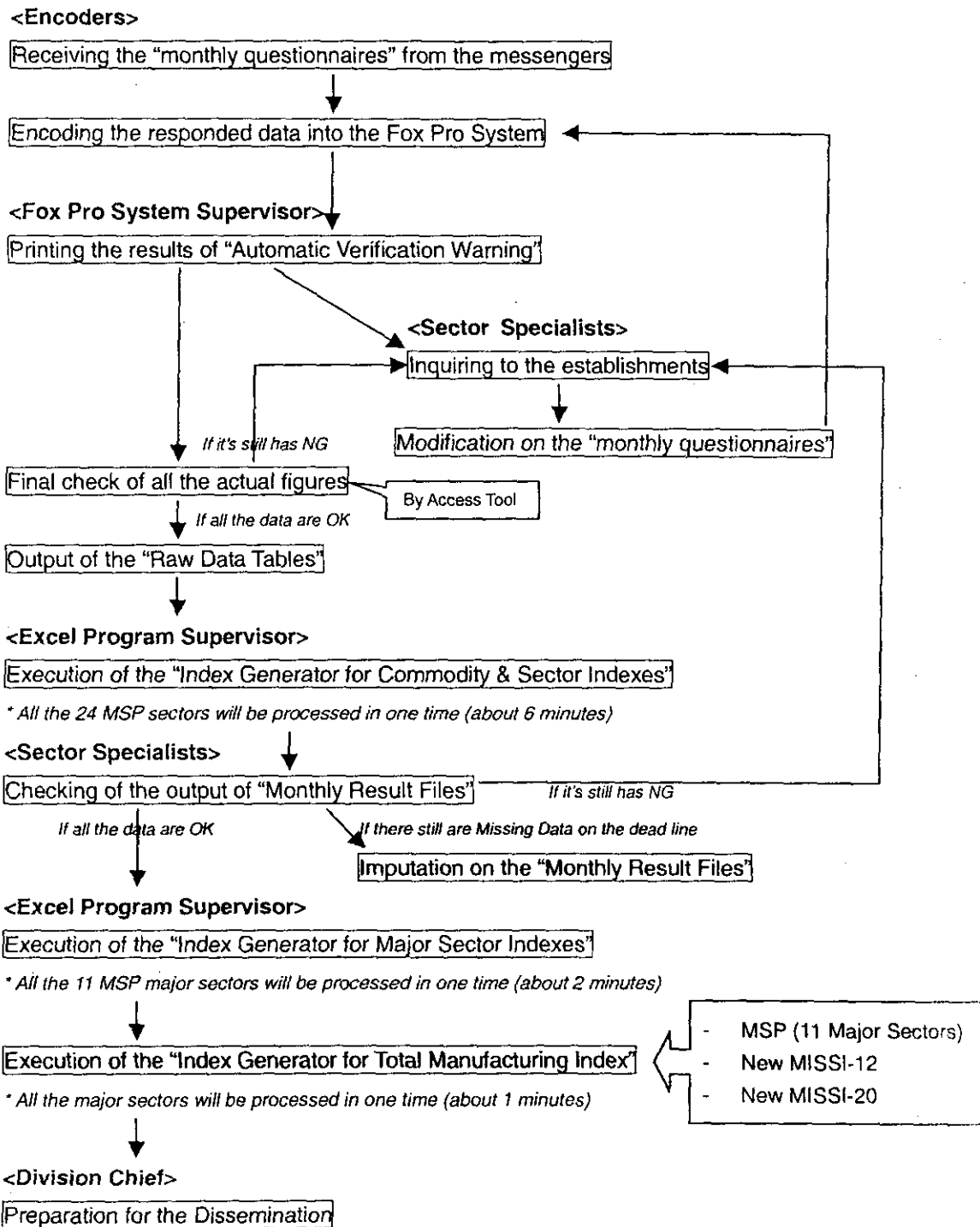
0.15 :Result files for the Composite Indices of Total Manufacturing

68.42 MB.Year

## 7 Guidance of the Monthly Operation Procedure

- 7.1 Monthly Operation Procedure by the Index Specialists (a couple of persons)
  - 7.1.1 Index Generation
  - 7.1.2 Inquiry for the Sector Specialists
- 7.2 Monthly Operation Procedure by the Sector Specialists (1 person for a couple of sectors)
  - 7.2.1 Inquiry for the establishments
  - 7.2.2 Imputation on the Monthly Result Files of each sector

--- Concept Image of the "Monthly Operation Procedure" ---



7.3

7.4 Annual Operation Procedure by the Supervisor (a couple of persons)

7.4.1 Modification of the Indices (Link etc.)

7.5 Non-regular Operation Procedure by the Supervisor (once a several years)

7.5.1 For revision of the "Base Year"

7.5.1.1 Update on the Weight Table "MISSILINK.xls"

7.5.1.1.1 Update of the figures on the columns of "MISSI2002(1-2Qtr)" and "Base Year Conversion Coefficient"

	A	B	C	D	E	F	G	H	I	J	K
	PSIC	MISSI 1994	MISSI 2002 (1-2Qtr)	Base Year Conversion Coefficient (Production)	Weight 94CE Production	Weight 94CE Sales	Weight 94CE Inventory	Major Sector Classification	Name of Mfg.		
1											
2	151	100.00	93.16	0.9316	0.2660	0.2660	0.3086	A	MANUFACTURE OF FOOD PRODUCTS		
3	158	100.00	45.37	0.4537	0.1635	0.1635	0.4097	A	MANUFACTURE OF FOOD PRODUCTS		
4	152	100.00	89.70	0.8970	0.1472	0.1472	0.1044	A	MANUFACTURE OF FOOD PRODUCTS		
5	154	100.00	90.47	0.9047	0.2233	0.2233	0.1259	A	MANUFACTURE OF FOOD PRODUCTS		
6	157	100.00	85.18	0.8518	0.2009	0.2009	0.0514	A	MANUFACTURE OF FOOD PRODUCTS		
7	155	100.00	105.55	1.0555	1.0000	1.0000	1.0000	B	BEVERAGES		
8	160	100.00	105.42	1.0542	1.0000	1.0000	1.0000	C	TOBACCO		
9	210	100.00	90.65	0.9065	1.0000	1.0000	1.0000	H	PAPER & PAPER PRODUCTS		
10	232	100.00	76.41	0.7641	1.0000	1.0000	1.0000	M	PETROLEUM PRODUCTS		
11	241	100.00	85.85	0.8585	0.1134	0.1134	0.2099	L	CHEMICALS PRODUCTS		
12	242	100.00	178.87	1.7887	0.6177	0.6177	0.6114	L	CHEMICALS PRODUCTS		
13	252	100.00		1.0000	0.2689	0.2689	0.1787	L	CHEMICALS PRODUCTS		
14	261	100.00	36.39	0.3639	0.2590	0.2590	0.8210	N	NON-METALLIC MINERAL PRODUCTS		
15	262	100.00	125.48	1.2548	0.7410	0.7410	0.1790	N	NON-METALLIC MINERAL PRODUCTS		
16	271	100.00	31.10	0.3110	0.6684	0.6684	0.8558	O	BASIC METALS		
17	272	100.00	94.33	0.9433	0.3316	0.3316	0.1044	O	BASIC METALS		
18	281	100.00	151.81	1.5181	1.0000	1.0000	1.0000	P	FABRICATED METAL PRODUCTS		
19	281	100.00	40.65	0.4065	0.1074	0.1074	0.2810	R	ELECTRICAL MACHINERY		
20	280	100.00	40.65	0.4065	0.0605	0.0605	0.0460	R	ELECTRICAL MACHINERY		
21	314	100.00	81.09	0.8109	0.0627	0.0627	0.1825	R	ELECTRICAL MACHINERY		
22	321	100.00	40.65	0.4065	0.1262	0.1262	0.0505	R	ELECTRICAL MACHINERY		
23	322	100.00	377.73	1.0000	0.4539	0.4539	0.1053	R	ELECTRICAL MACHINERY		
24	324	100.00	40.65	0.4065	0.1692	0.1692	0.3647	R	ELECTRICAL MACHINERY		
25	341	100.00	88.18	0.8818	0.7027	0.7027	0.6673	S	TRANSPORT EQUIPMENT		
26	343	100.00	88.18	0.8818	0.1187	0.1187	0.7717	S	TRANSPORT EQUIPMENT		
27	369	100.00	88.18	0.8818	0.1785	0.1785	0.1610	S	TRANSPORT EQUIPMENT		
28											

7.5.2 For revision of the "Base Period"

7.5.2.1 Update on the Weight Table "MISSILINK.xls"

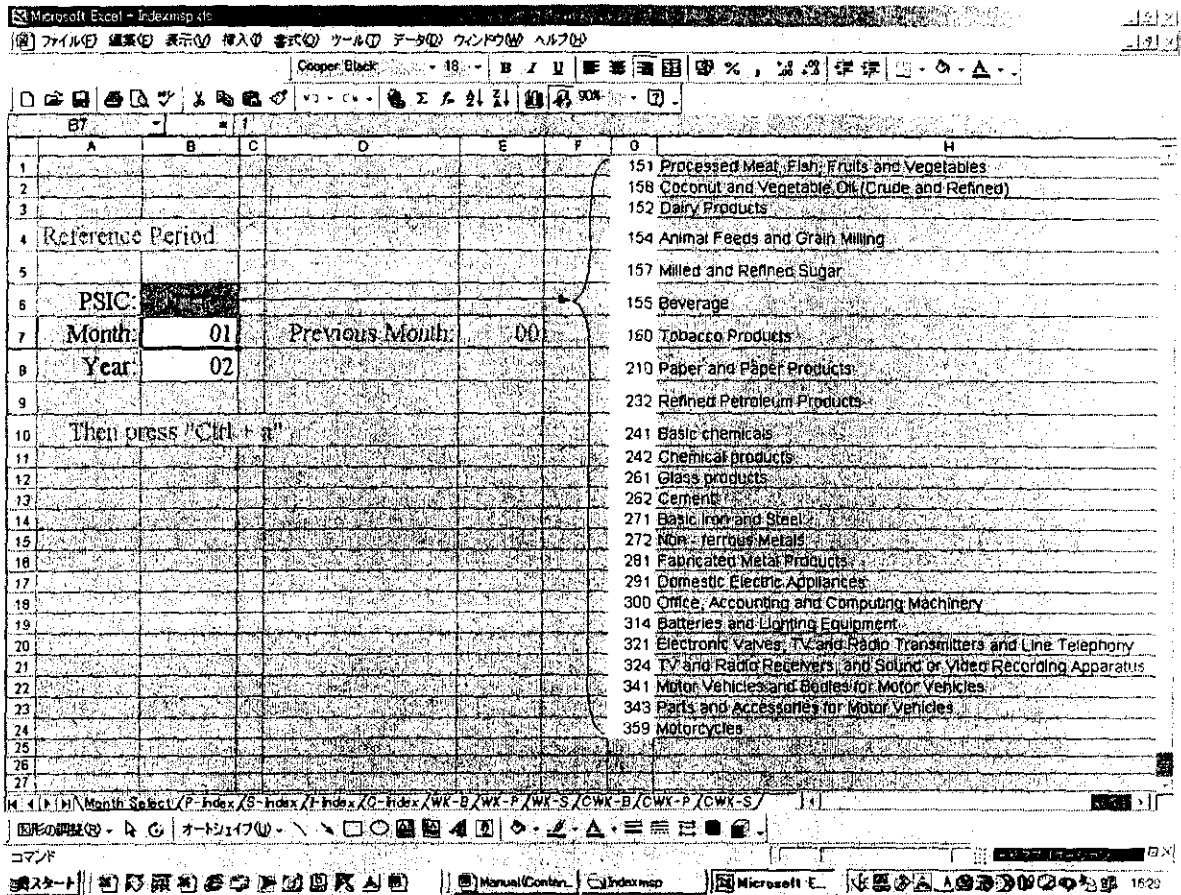
7.5.2.1.1 Update of the figures on the columns of "MISSI2002(1-2Qtr)" and "Base Year Conversion Coefficient"

7.5.3 For revision of the "Base Samples"

7.5.3.1 For revision of the "Key Establishments" (in Fox Pro System)

7.5.3.2 For addition or deletion of the "Sector"

7.5.3.2.1 Modification on the sheet of "Month Select" in the "Indexmsp.xls"



Add or remove the Sector Code on the column "G" and the Sector Name on the Column "H".

\*The list on the Column "G" and "H" does not allow having the Blank Rows.

7.5.3.2.2 Modification on the Weight Table "MISSILINK.xls"  
 Add or remove the relevant records (rows) of the sector on the Weight Table  
 "MISSILINK.xls".

Microsoft Excel - MISSILINK.xls

ファイル(F) 編集(E) 表示(V) 挿入(I) 書式(O) ツール(T) データ(D) ウィンドウ(W) ヘルプ(H)

標準ツールボックス

名前: ...

シート名: C13

	A	B	C	D	E	F	G	H	I	J	K
1	PSIC	MISSI 1994	MISSI 2002 (1-2Q1)	Base Year Conversion Coefficient (Production)	Weight 94CE Production	Weight 94CE Sales	Weight 94CE Inventory	Major Sector Classification	Name of Mfg.		
2	151	100.00	93.18	0.9318	0.2650	0.2650	0.3086	A	MANUFACTURE OF FOOD PRODUCTS		
3	158	100.00	45.37	0.4537	0.1635	0.1635	0.4097	A	MANUFACTURE OF FOOD PRODUCTS		
4	152	100.00	89.70	0.8970	0.1472	0.1472	0.1044	A	MANUFACTURE OF FOOD PRODUCTS		
5	154	100.00	90.47	0.9047	0.2233	0.2233	0.1258	A	MANUFACTURE OF FOOD PRODUCTS		
6	157	100.00	65.16	0.6516	0.2009	0.2009	0.0514	A	MANUFACTURE OF FOOD PRODUCTS		
7	155	100.00	105.55	1.0555	1.0000	1.0000	1.0000	B	BEVERAGES		
8	160	100.00	105.42	1.0542	1.0000	1.0000	1.0000	C	TOBACCO		
9	210	100.00	90.66	0.9066	1.0000	1.0000	1.0000	H	PAPER & PAPER PRODUCTS		
10	232	100.00	78.41	0.7841	1.0000	1.0000	1.0000	M	PETROLEUM PRODUCTS		
11	241	100.00	85.85	0.8585	0.1134	0.1134	0.2099	L	CHEMICALS PRODUCTS		
12	242	100.00	178.87	1.7887	0.6177	0.6177	0.6114	L	CHEMICALS PRODUCTS		
13	252	100.00		1.0000	0.2689	0.2689	0.1787	L	CHEMICALS PRODUCTS		
14	261	100.00	38.39	0.3839	0.2590	0.2590	0.8210	N	NON-METALLIC MINERAL PRODUCTS		
15	262	100.00	125.48	1.2548	0.7410	0.7410	0.1790	N	NON-METALLIC MINERAL PRODUCTS		
16	271	100.00	31.10	0.3110	0.6684	0.6684	0.8966	O	BASIC METALS		
17	272	100.00	94.39	0.9439	0.3316	0.3316	0.1044	O	BASIC METALS		
18	281	100.00	151.81	1.5181	1.0000	1.0000	1.0000	P	FABRICATED METAL PRODUCTS		
19	291	100.00	40.65	0.4065	0.1074	0.1074	0.2510	R	ELECTRICAL MACHINERY		
20	300	100.00	40.65	0.4065	0.0805	0.0805	0.0480	R	ELECTRICAL MACHINERY		
21	314	100.00	81.06	0.8106	0.0627	0.0627	0.7825	R	ELECTRICAL MACHINERY		
22	321	100.00	40.65	0.4065	0.1262	0.1262	0.0506	R	ELECTRICAL MACHINERY		
23	322	100.00	377.78	1.0000	0.4539	0.4539	0.1063	R	ELECTRICAL MACHINERY		
24	304	100.00	40.65	0.4065	0.1692	0.1692	0.3647	R	ELECTRICAL MACHINERY		
25	341	100.00	68.18	0.6818	0.7027	0.7027	0.6673	S	TRANSPORT EQUIPMENT		
26	343	100.00	68.18	0.6818	0.1167	0.1167	0.1717	S	TRANSPORT EQUIPMENT		
27	359	100.00	68.18	0.6818	0.1785	0.1785	0.1610	S	TRANSPORT EQUIPMENT		

コマンド

Manual/Conten. Index/Map Microsoft E.

### 7.5.3.3 For addition or deletion of the "Major Sector"

#### 7.5.3.3.1 Modification on the sheet of "SECTOR DATA" in the "Indexmsp\_Major.xls"

	A	B	C	D	E	F	G	H	I	J	K	L
1												
2		FOOD PRODUCTS	BEVERAGES	TOBACCO	PAPER & PAPER CHEMICALS	PETROLEUM PRODUCTS	NON-METALLIC MINERAL PRODUCTS	BASIC METALS	FABRICATED METALS	ELECTRICAL MACHINERY	TRANSPORT EQUIPMENT	
3	151	163	160	210	241	232	261	271	281	291	341	
4	158				242		262	272		282	342	
5	152				252					283	343	
6	154									284	344	
7	157									285	345	
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												

#### 7.5.3.3.2 Modification on the Weight Table "MISSILINK.xls"

Add or remove the relevant records (rows) of the sector on the Weight Table "MISSILINK.xls". (Ditto as mentioned above.)

7.5.3.3.3 Modification on the "Indexmsp\_Total\_Mfg(\*\*\*).xls"

7.5.3.3.3.1 Modification on the sheet of "Month Select" in the "Indexmsp\_Total\_Mfg(\*\*\*).xls"

Add or remove the Sector Code on the column "G" and the Sector Name on the Column "H".

\*The list on the Column "G" and "H" does not allow having the Blank Rows.

