# Statistical Bank Report

Reporting Instructions

Version 2.0

# BANKA QENDRORE E REPUBLIKËS SË KOSOVËS CENTRALNA BANKA REPUBLIKE KOSOVA CENTRAL BANK OF THE REPUBLIC OF KOSOVO

# STATISTICAL BANK REPORT

REPORTING INSTRUCTIONS (Version 2.0)

**PUBLISHER** © Central Bank of the Republic of Kosovo

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# 1. GENERAL INSTRUCTIONS

#### 1.1. Introduction

The principal objectives of the CBK are to foster soundness, solvency, and efficient functioning of the financial system as well as to support general economic policies with a view to contributing to an efficient allocation of resources. In line with CBK Rule XI (Reporting of Banks and Kosovar Branches of Foreign Banks), CBK compiles monetary and financial statistics, and external sector statistics.

Consistent with this, the CBK has put in place the Statistical Bank Report (SBR) to obtain information on banks financial position. Compilation of SBR is based on the international standards, such as Monetary and Financial Statistics Manual (MFSM 2000), Monetary and Financial Statistics Compilation Guide (MFSG 2008), European System of National and Regional Accounts (ESA 95), System of National Accounts (SNA 93), and other country practices.

# 1.2. Frequency and Coverage

The SBR should be reported on monthly basis, describing the financial position of the bank at the last working day of the month. Saturday will be considered as a working day. The SBR will contain solely the position of the bank units located in Kosovo. SBR is reported on a gross basis so neither netting nor compensating is allowed, except for the reciprocal claims or liabilities among the units belonging to the reporting bank in the SBR concerned.

#### 1.3. Modes and Deadlines

SBR shall be submitted in paper form and on electronic copy. The submission must contain all schedules required for a particular reporting period and should be fully consistent with the Reporting Instructions provided in this document. Initially, only the electronic copy of SBR should be delivered by email to Statistics Directorate of the CBK. After validation is completed successfully, statistician should confirm by email or telephone and ask for paper form of the SBR from the respective bank. The paper form of this report should be delivered to:

Statistics Directorate Central Bank of the Republic of Kosovo 33 Garibaldi Prishtina, 10000 Republic of Kosovo

at the latest 15 calendar days after the expiry of the reference month.

The delivery must contain the cover page of SBR signed by authorized persons and stamped by respective bank.

Before sending the SBR to CBK, data must reflect the correct financial position and the amounts declared in the SBR shall be cross-checked by the reporter, i.e. amounts of particular items shall be the same amounts of corresponding items elsewhere in the SBR.

The validation rules, presented in Appendix 1 of these Reporting Instructions, will guide the reporters to fulfill these conditions. Errors against this instruction will be communicated to the reporting bank implying a new submission. In case of any discrepancy or change compared to a previous report, a brief explanation must be attached to the submitted SBR. Banks shall retain track of data reported in the SBR. Should the CBK detect serious errors in the SBR, it may require necessary correction or clarification of the data.

Questions concerning SBR and interpretations of any part of these Reporting Instructions shall be addressed to the CBK. Such explanations and interpretations are particularly useful in the case of business events, which have not been specially described in these Reporting Instructions. Should the CBK interpretation of these instructions differ from that of the commercial bank, the CBK may require the bank to prepare its SBR in accordance with the CBK interpretation and to amend the previous reports.

# 1.4. Technical Instructions

All amounts must be reported in thousands of euro rounded to the nearest thousand (e.g. items that are below 500 euro shall be reported as zero). Even if all data in SBR are expressed in euro, the coverage of currency may differ by schedule. Three cases are possible and must be mentioned in the upper part of the reporting forms. The schedules refer to outstanding amount in either:

- Only euro;
- Only currencies other than euro, but converted into euro for the reporting purposes;
- Euro mixed with currencies other than euro, but converted into euro for the reporting purposes;
- Rounding differences the sum of components does not necessarily give exactly the total of the reported amount.

No item in the SBR may be left blank. An entry must be made for each item, i.e. an amount (e.g. a zero). All negative entries must be preceded by the minus sign (-). The amounts in currencies other than euro shall be converted into euro currency applying the CBK exchange rate, sent to the banks in the last calendar day for the particular period, for SBR reporting purpose only. For currencies not on that list, exchange rates must be collected by the reporting bank referring to the rates that prevail at the last bank working day of the reference month.

The breakdown of assets and liabilities shall be made on the basis of the currency in which the asset or liability item is denominated. Assets and liabilities in negotiable gold must be recorded as in foreign currency. Immovable property is expressed in the currency of the country in which the property is located. Unless otherwise stated, the breakdown of assets and liabilities by maturity must be based on the length of the original maturity of the asset or liability concerned. They remain within that category regardless the residual maturity. The geographical breakdown of assets/liabilities is based on the main residence of the debtor/creditor. In case of companies (financial and nonfinancial corporations) this means the registered office.

The breakdown by institutional sector is presented in the Appendix 2 (Institutional sectors). The detailed table provides the overview and degree of detail for the breakdown by institutional sector.

# 2. SCHEDULE AND LINE ITEM INSTRUCTIONS

# 2.1. Balance sheet (Schedule BS)

#### A. General Instructions

Table BS reports assets and liabilities and forms the centerpiece of the SBR to which most of the other tables refer. The balance sheet in the SBR contains seven columns. The first column shall contain all asset or liability items in euro or euro equivalent. The amounts in first column are split into asset or liability items in euro (second column) and asset or liability items denominated in non-euro currencies (third column). The amounts in the second column are further broken down into two columns (fourth and fifth column) according to the residency (domestic or abroad) of the counterparts. In the same way, the amounts in the third column are broken down into two columns (sixth and seventh column).

# **B.** Line Item Instruction

#### **ASSETS**

#### 119. Cash and balances with CBK

# 112. Cash

Cash consists of notes and coins that are of fixed nominal values and are issued usually by central banks. Cash (currency) is divided into separate categories for national currency and foreign currency and is composed of cash in vault and cheque and other evidence of payments. Cash in vault represents the amount of notes and coins in euro and other currencies, provided that they are legal tender in Kosovo, or in their respective country of issue. It includes also funds held with delegates in respect of their activities as agents (representatives) of the reporting bank. Cheque and other evidences of payments represent the amount of cheques and other payment instruments that are in vault or in transit. Each of these instruments must be payable immediately upon presentation and drawn on another financial institution.

#### 115. Balances with CBK

#### 115-1. Reserve and current account with CBK

This heading covers mandatory reserves held with the CBK. All cash assets paid in the bank's allocated reserve requirement account with the CBK are to be reported. In addition, all current account balances should be reported (e.g. cash assets held in the bank's settlement account with the CBK).

# 115-3. Other deposits with CBK

This item includes the total amount of all other deposits held with the CBK, other than reserve and current account.

#### 129. Balances with commercial banks

This heading covers commercial banks claims. They do not include transferable securities (to be reported in heading 139) nor claims being part of the fixed assets (to be reported in heading 179).

#### 121. Current accounts

This item represents immediately receivable balances of the reporting bank's current accounts with commercial banks. These include claims, whether or not guaranteed, resulting from loans for a fixed or possibly renewable term of up to one working day or with a period of notice of one working day.

#### 125. Time deposits

This item, registers all other types of inter-bank claims (other than current accounts) resulting from the regular activities with commercial banks. This heading contains claims with a fixed term exceeding one working day or a period of notice exceeding one working day and claims resulting from mobilizations and advances (rediscounting of trade bills, repurchase agreements, advances with or without collateral, overdrafts on current accounts).

# 128. Other placements

This category includes all inter-bank activities not included apart from current accounts and times deposits. This category includes inter-bank loans, credit lines, and related. However this item should not include any type of securities. This item is counterpart of the item 215. Other borrowings.

#### 139. Securities

This heading covers the negotiable instruments, regardless the maturity of the instrument, and are broken down into investment or trading.

## 132. Investment portfolio

This heading covers the negotiable instruments, short- and long-term, when they are acquired by the reporting institution for considerations of yield and are in principle held until maturity. Those instruments can be acquired at issue or in the secondary market. Negotiable instruments considered as being part of the fixed assets are excluded from this heading and to be reported under item 171. All types of securities are confounded under this item: shares, short term securities (e.g. commercial paper, treasury bills issued by government, financial institutions, non-financial institutions and the rest of the world), long term securities (e.g. bonds), etc.

By convention, the securities to be placed, when the bank is part of an issue-panel are registered also under this item during the subscription period. After the expiry of that period, the bank can decide to transfer them to the trading portfolio. The portfolio is broken down according to the institutional sector the issuer belongs. Only the government and the enterprises, broken down into financial and nonfinancial, are considered.

# 135. Trading portfolio

This heading covers the negotiable instruments, short- and long-term, when they are acquired by the reporting institution with a view to resale for considerations of short-term yield over a period not exceeding 6 months and a shorter maturity than the residual maturity of the instrument. Those instruments can be acquired at issue or in the secondary market and can be held for resale. All types are confounded under this heading: shares, short term securities (e.g. commercial paper, treasury bills issued by government, financial institutions, non-financial institutions and the rest of the world), long-term securities (e.g. bonds). The portfolio is broken down according to the institutional sector the issuer belongs. Only the government sector and the enterprises, broken down into financial and nonfinancial, are considered.

# 149. Gross loans

Loans are financial assets that are created when a creditor lends funds directly to a debtor and are evidenced by non-negotiable documents. This item includes loans granted to clients other than commercial banks and central bank. Under this heading reporting bank should report the full amount of all types of credits and provide a breakdown according to the institutional sector the beneficiary belongs. All loans must be reported in gross basis. Loans do not include negotiable securities nor claims reported as part of the fixed assets (see section under securities). The loans do include a multitude of instruments. Trade bills which the reporting institution has acquired in connection with the discounting of credits, claims resulting from consumer credits, mortgage loans with reconstitution of the capital or with amortization and the term loans including the investment loans to enterprises and other claims such as suspense accounts, balances in nostro account against financial institutions other than commercial banks. The own acceptances are not included as they have to be reported under the heading 183.

# 149-1. Provisions on loans

All deductions for specific reserves for identified losses for each particular loan under heading 149 must be reported. As it is the case in the reporting of gross loans, the provisions have to be broken down by institutional sector.

#### 150. Lease financing

It is a commercial arrangement where lessor (bank) will purchase an asset (equipment, vehicle, software, etc.) as requested from the lessee (customer or borrower). Borrower will use the asset during the lease period and pay to the bank series of rentals or

installments. The bank will recover a large part or all of the cost of the asset plus earn interest from the rentals paid by the borrower. In order to be treated a financial lease, a commercial arrangement should fulfill the following criteria: (i) ownership of the asset is transferred to the borrower at the end of the lease term; (ii) lease term is for the major part of the economic life of the asset, even if title is not transferred; (iii) the leased assets are of a specialized nature such that only the lessee can use them without major modifications being made.

# 150-1. Provisions on lease financing

All deductions for specific reserves for identified losses for each particular financial lease arrangement under heading 150 must be reported.

#### 179. Fixed assets

This headings contains the financial, tangible and intangible fixed assets of the reporting institution. The value of tangible assets (e.g. land, buildings, plant and equipment, furniture, vehicles and similar assets) will be reported in net values, i.e. including the accumulated depreciation from previous years, the depreciation from the current year as well as revaluation amounts. Construction in progress shall also be included.

#### 171. Financial fixed assets

Under this heading are reported assets on affiliated enterprises as well as on all enterprises linked by participating interests and corporate shares in enterprises, other than affiliated or a participating interest, when there is a lasting holding of these shares.

Affiliated enterprises are enterprises which the reporting institution controls, is controlled by or forms a consortium with. The control is assumed:

- when it results from the holding of the majority of the voting rights attached to the total number of shares in the enterprise concerned;
- when a partner is entitled to appoint or dismiss the majority of the directors or managers;
- when a partner has a right of control by virtue of the bylaws and articles of the enterprise in question or of agreements concluded with it;
- when, as a result of agreements concluded with other partners in the enterprise in question, a partner holds the majority of the voting rights attaching to all the shares or partners' rights;
- in cases of joint control.

In any case, in the absence of proof to the contrary, a partner in a enterprise is deemed to have de facto control if at the enterprise's next-to-last and last general meeting, his voting rights represent the majority of the votes attaching to the shares represented at those meetings.

Other enterprises linked by participating interests are regarded as other enterprises (other than affiliated enterprises):

- in which the reporting institution directly holds a participating interest;
- in which, to the knowledge of the managing body of the commercial bank, directly holds a participating interest;
- in which, to the knowledge of the commercial banks managing body, are subsidiaries of enterprises mentioned under the previous point.

A participating interest is assumed when the corporate rights represent, directly or indirectly, one tenth of the capital.

The valuations of this kind of assets should be based on market prices or fair values. The financial fixed assets are regrouped according to three categories:

- loans;
- participations; and
- all other financial fixed assets.

# 173. Tangible and intangible fixed assets

Tangible assets include the land, buildings, plant, machines, tools, furniture, vehicles and leasing rights. This will be reported in net values, i.e. including the accumulated depreciation from previous years, the depreciation from the current year as well as revaluation amounts. Intangible fixed assets are research and development expenses, franchises, patents, licenses, goodwill, and so on. This heading includes also expenses relating to incorporation, development or restructuring the enterprise which are considered as assets.

#### 174. Own shares

Shares and other equity comprise all instruments and records acknowledging, after the claims of all creditors have been met, claims on the residual value of a corporation. Ownership of equity is usually evidenced by shares, stocks, participations, or similar documents. This category includes proprietors' net equity in quasi corporations, as well as shares and equity in corporations. It also includes preferred stocks or shares that provide for participation in the residual value on dissolution of an incorporated enterprise.

Shares (often called common stock) of a corporation may be widely held among many investors, closely held among a few investors, held within a single family, or held exclusively by one corporation or an individual. Shares in a corporation may be actively or inactively traded on a securities exchange, traded in an over-the-counter market, or nontrade.

# 183. Customers liabilities on acceptances outstanding

It contains claims of the reporting bank on customers resulting from acceptances. This item mainly represents un-matured drafts and bills. It is used by accepting drafts drawn by customers for payments for third parties. This item includes acceptances and guarantees, and own acceptances and promissory notes outstanding.

# 185. Other assets

This item is residual against all previous entries in the asset side of the balance sheet. This item includes: precious metals, real estate for resale, taxes, social contributions, accrued income, deferred charges, and intangible assets not booked as fixed. This kind of assets should be valued on basis of market prices.

# **LIABILITIES**

# 219. Balances from other banks

On the liability side, balances from other banks include all deposits and borrowings received from banks, including the central bank. The amount of deposits from banks is reported according to their type:

- Current accounts;
- Saving accounts;
- Time deposits;
- Other borrowings.

#### 211. Current accounts

This item includes immediately payable balances on banks current accounts of other commercial banks, and overnight deposits.

# 212. Saving accounts

Saving accounts include the sub-item balances, which represents an account maintained by a client with a bank for the purpose of accumulating funds over a period of time. Funds deposited in a savings account may be withdrawn only by the account owner or a duly authorized agent, or on the owner's nontransferable order. The account may be owned by one or more persons. Some accounts require funds to be kept on deposit for a minimum length of time, while others permit unlimited access to funds.

# 213. Time deposits

This item comprise all other types of liabilities, except current and saving accounts, resulting from the normal activities with banks. This item contains liability with a fixed term exceeding one working day or a period of notice exceeding one working day, nonnegotiable CDs, claims resulting from mobilizations and advances (rediscounting of trade bills, repurchase agreements, advances with or without collateral, and overdrafts on current accounts).

## 215. Other borrowings

Borrowings are sources of funds obtained from banks that have defined repayment terms and conditions and which are not current accounts, overnight facilities nor securities. This category includes intra-bank loans, credit lines, and related. This item is counterpart of the item 128. Other placements.

#### 229. Debts to clients

Under this heading the amounts of debts to clients (defined as all persons other than central bank and commercial banks) are reported according to their type:

- deposits;
- other borrowings.

The deposits are further broken down according to the institutional sector the depositor belongs.

# 221. Deposits

Include all types of deposits such as current accounts, saving accounts, and time deposits, excluding the non-negotiable CDs.

## 223. Other borrowings

This heading include amount of all borrowings and non-negotiable CD's from non-banks and also excluding deposits. It includes also the bear position of the portfolio of negotiable securities, suspense accounts, amounts received as cover for documentary credit, deposits which came to maturity and were not renewed.

# 239. Debt issued

This heading contains the amount, at nominal value, of the securities issued by the reporting bank.

The amount is broken down according to the general classes of securities:

- Negotiable CD's issued by bank for which there is an organized secondary market;
- Notes that are debt securities, short and long term, issued by bank;
- Bonds that are long term debt securities issued at specified occasions, with a limited period for subscription, by bank.

The breakdown domestic/abroad is based solely on the information available to the bank at the time of issue.

## 249. Write - downs, provisions

Amounts written down are entered in the accounts in order to cover the risk of loss of claims with an uncertain future which have been recorded under the headings 129, 139,

149, and 150 at the asset side of the balance sheet there is no distinction between the commercial risk assessed on or not on an individual basis.

Provisions cover different forms. Provisions for pensions, fiscal charges, credit commitments, position in foreign currencies. The heading includes also the deferred taxes and the contingency funds for risk. The latter deals with provisions which the institution has built up to safeguard the solvency of the reporting institution against future risk which are not yet known. In practice part of these funds are known as the "Fund for general banking risks".

#### 259. Other liabilities

This heading forms a residual item of the liabilities not specified elsewhere on the balance sheet. They may consist of tax, wage and salary and social liabilities, dividends and other accounts payable, accrued charges and deferred income (of which positive balance of valuation differences).

#### 269. Subordinated debt and debentures

This heading includes the value of subordinated note or debenture in a form of debt issued by the reporting bank. This item mainly includes the instruments which are not described under the point 219 until 259. Mainly there are called senior debt and there are unsecured debts and lower priority which differs from the deposit and securities instruments. The subordinated debts imply the claims of the creditors in its assets and earnings. This item usually is long term maturity and it has higher risk and return yield.

# 279. Bank's liabilities on acceptances outstanding

Contains the liabilities of the bank on acceptances before the maturity of the contract.

## 289. Own resources

This heading consists of:

- Share capital;
- Contingency reserve;
- General and other reserves;
- Profit/loss of the year;
- Retained profit/loss.

# 281. Share capital

The total of paid-in capital for the issued common and preferred shares, including a surplus (the premium), if any, received at the time of the issuance of shares (the surplus equals the difference between the realized sales price and the par value of a share). This item should be valued at their book value. That is, valued as the nominal amount of the proceeds from the initial and any subsequent issuances of ownership shares.

# 283. Contingency reserve

This is a special reserve to provide additional protection, but from the effects of losses that may arise from specific activities of the corporation or quasi-corporation.

#### 284. General and other reserves

These are appropriations of retained earnings and include financial equity instruments which are not derivative of income earnings by banks but it affects directly in the owner equity, by rising or decreasing the value of equity in case of investments of these instruments. They may be required by law to provide the entity and its creditors with an additional protection from the effects of losses. General and other reserves should be valued and recorded as the nominal amount in the time of investment and respective month and differences gain or loss is matter of income earnings which is represented separately in the profit or loss of the year for such reserves.

# 285. Profit/loss of the year

Profit/loss of the year includes the amount of the financial result of the operations of the current year.

## 286. Retained profit/loss

Reports the amount of net profit or loss incurred over previous years for which no final allocation is given in the accounting of bank. Retained profit/loss should be valued as the nominal amount of earnings that have been retained.

## Memorandum item:

# 287. Export of physical cash

This item includes the amount of physical cash exported from bank only for the particular month (monthly flow data required). Cash export should be reported separately for euro and non-euro currencies, converted into euro based on exchange rate provided by CBK at the end of the month. This category includes only direct exports of physical cash abroad, and should not include cash exported abroad through any intermediary institution (e.g. if bank A exports physical cash abroad through the bank B in amount of euro 10 million, then this amount should be reported as cash export only from bank B, and not reported from bank A). Also cash exported to the CBK should not be treated as cash export.

# 288. Import of physical cash

This item includes the amount of physical cash imported from bank only for that particular month (monthly flow data required). Cash import should be reported separately for euro and non-euro currencies, converted into euro based on exchange rate provided by

CBK at the end of the month. This category includes only direct import of physical cash from abroad, and should not include cash imported through any intermediary institution (e.g. if bank A imports physical cash from abroad through the bank B in amount of euro 15 million, then this amount should be reported as cash import only from bank B, and not to be reported from bank A). Also cash imported from the CBK should not be treated as cash import.

# 2.2. Loans by economic activities (Schedule BS/LBI)

#### A. General Instructions

The schedule contains the book value of all credits, denominated in euro and in other currencies, according to the industry breakdown. All loans and extensions of credit must be reported in gross basis. The term loan means any kind of loan such as commercial loan, mortgage loan, consumer loan, line of credit, acceptance credit, claims based on paid guarantees and other guarantees-like-instruments, etc., excluding accounts receivable. In this schedule amounts shall be reported in the original maturity

#### B. Line Item instructions

Breakdown of loans by economic activity is based on NACE classification (Appendix 3: NACE Classification). The breakdown of loans by economic categories is shown below:

<u>Agriculture</u> – include loans for the purpose of financing multitude of agricultural purposes.

<u>Industry</u>, <u>energy and construction</u> – include loans of the types listed below:

- Mining and quarrying activities;
- Manufacturing;
- Energy, gas, oil products;
- Industry of water and other water related activities.
- Construction.

# Services – include services as shown below:

- Trade (wholesale and retail trade);
- Transport and storage;
- Accommodation and other related services (accommodations hotels, motels, food restaurants and beverages services);
- Information and communication activities (publishing activities, TV and radio publishing, productions and programs, telecommunications, etc.);
- Financial and insurance activities (financial activities, pension and funding and social finance activities, insurance activities);
- Real estate and rent activities;
- Professional, science and technical activities (legal and accounting activities, architectural, engineering and science research activities, etc);
- Public activities, social and administrative activities (administrative service activities, public administration, and defense social security, education, etc);
- Other services activities (membership organization activities and other personal services).

# 2.3. Securities portfolio composition (Schedule BS/SPC)

#### A. General Instructions

This table includes the breakdown of the securities portfolio for own account of the reporting institution. The distinction between investment and trading, as it was the case in the balance sheet, is kept. The investment portfolio is completed with the securities booked as fixed financial assets. Securities must further be broken down by type of security - the same structure is retained for investment and trading portfolio - and by institutional sector of the issuer, according to the structure presented in the Appendix 2.

The amounts reported are those retained in the balance sheet for trading in market value. The same principle applies for the valuation of the investment portfolio and fixed financial assets, but other valuation schemes may be permitted. The part on investment portfolio and fixed financial assets refer to the data in the balance sheet items 132 and 171 partim (participations and other shares; other financial fixed assets). The part on trading portfolio refers to the balance sheet item 135.

#### **B.** Line Item instructions

Bonds are long term securities and are to be reported in making a distinction between (i) bonds with a fixed interest rate for the whole maturity of the bond, and (ii) bonds with a floating rate, for which the rate varies from time to time, whether different fixed interest rates by sub period announced at issue or an interest rate which is adjusted from time to time to the development of a reference interest rate. Subordinated bonds, for which the holder will be subordinated to other non-preferential creditors of the issuer. To compensate that risk a higher interest rate is attributed. Commercial paper is a security issued in the framework of commercial paper programs to institutional units, mostly other than credit institutions. They are normally short-term securities. Certificates are short-term securities mostly issued by government agencies or credit institutions.

# 2.4. Loans by maturity (Schedule BS/LBM)

#### A. General Instructions

The schedule presents total granted loans by counterpart, broken down according the institutional sector (domestic sector, foreign sector divided on banks and non-banks and UNMIK/EULEX) and by maturity. This table introduces the residual maturity, which must be provided for the total of all loans and is broken down in time buckets. The original maturity, also broken down in time buckets, is required separately for the gross secured loans, gross unsecured loans and the balances with banks.

Within the part on the original maturity the CBK and commercial banks are excluded for the subpart on secured and unsecured loans, and lease financing, as they are the sole counterparts in the subpart on deposits and placements with banks. This means

that the data in the part on original maturity refer to the balance sheet items 149, 150, and 171 partim (loans to non-banks), respectively the balance sheet items 115, 129, and 171 partim (loans to banks). Within the part on residual maturity CBK and commercial banks are not treated separately and do form an integral part of the counterparts to be reported. As a consequence the data in this part refer to the balance sheet items 115, 129, 149, 150, and 171 (loans). Tables must be delivered for the loans in euro and loans in other currencies, converted into euro.

## B. Line Item instructions

Loans by maturity for the purposes of SBR are divided into gross secured loans and gross unsecured loans. A secured loan is a loan in which the borrower pledges an asset (e.g. a car, house, or other property) as collateral for the loan borrowed. Thus, debt is secured against the asset pledged, for possible default of the borrower. In that case, the creditor takes possession of the particular asset used as collateral and may sell it to satisfy the debt by regaining the amount originally lent to the borrower. Generally, secured loans are those loans backed with collateral. The opposite of secured loan is unsecured loan, which is not connected to any specific pledge.

# 2.5. Deposits by maturity (Schedule BS/DBM)

#### A. General Instructions

The schedule represents total received deposits by counterpart according to the institutional sector they belong to (domestic sector, foreign sector divided on banks and non-banks and UNMIK/EULEX as separate sector) and by maturity (original and residual maturity).

The data to be reported in each of these subparts refer to the balance sheet items respectively 211 and 221 partim (current accounts), the items 212, 213 and 221 partim (deposits other than current account), and finally the items 215 and 223. The subordinated loans/deposits issued by the reporting bank, reported in balance sheet item 269, are, by convention, to be reported in the subpart dealing with the other borrowings. In the residual maturity the sum of all deposits and borrowings is considered. By this, the data in this part refer to the balance sheets items 219 and 229, but also by convention balance sheet item 269. The table must be delivered for deposits in euro and for deposits in other currencies, converted into euro.

# B. Line Item instructions

Deposits by maturity are broken down in current accounts, saving accounts, time deposits and other borrowings. Current account includes the amount of total deposits from all sectors that are immediately receivable without any penalty or related. Saving deposits represent money deposited at a bank for non-immediate use and bank pays interest in a saving account. In majority of cases, saving deposits can be withdrawn at any time with the interest calculated up to the date money is withdrawn from saving account. Time deposits are fixed term deposits that cannot be withdrawn before the agreed period of time between

the customer and bank. It includes term deposits, and non-negotiable certificate of deposits. Includes the amount of all borrowings (from banks and non-banks) excluding current, saving, and time deposits.

# 2.6. Debt issued by bank (Schedule BS/DS)

#### A. General Instructions

This schedule represents debt issued by bank and classified by counterpart according the institutional sector it belong to (domestic sector, foreign sector divided on banks and non-banks and other) and by maturity. The schedule BS/DS includes tables for reporting of debt securities issued by the respective bank in euro and non euro but converted into euro. The data which must be reported in these subparts part refer (should match) to nominal value of the balance sheets items 239.

## B. Line Item instructions

The debt securities are also broken down by main types of securities (i) Negotiable CDs, (ii) Notes, and (iii) Bonds. Negotiable CDs are securities issued by a bank and which in contrast to a time deposit, are negotiable during the lifetime of certificate. Notes are a type of financial instrument very similar to certificate of deposit but are in principle not negotiable. Bonds are long term financial instruments (3 to 5 years), issued by the bank. They are in principle negotiable. They are comparable to the negotiable CDs except for their initial maturity. They bear a fixed or variable interest rate and can be subordinated (in which case they will bear an interest rate higher than the one on non-subordinated bonds, because of the higher risk).

# 2. VALIDATION RULES

Validation Rules are an instrument of quantity and quality control of the data. There are rules which validate the consistency of a single schedule (intra schedule rules) but also between the different schedules (inter schedule rules), whether within the same reference period or between different reference periods.

Validation rules can take different forms: algebraic, logical and conditional. In a first stage the validation rules will concentrate on algebraic rules. This means that they will only be accepted if they fulfill an algebraic formula. A simple example is that elements of a total must add up to that total. Detailed validation rules included in the Reporting Instructions, are presented in the Appendix 1.

# 3. REPORTING FORMS

The Statistical Bank Report consists of a cover page and master schedules, of which BS/LBM and BS/DBM are broken down in function of the currency of the loans respectively the deposits bringing the total number of schedules to eight, such as:

- Cover page;
- Balance Sheet (BS): Euro and non-euro converted in euro;
- Loans by industry (BS/LBI): Euro and non-euro converted in euro;
- Securities portfolio composition (BS/ SPC): Euro and non-euro converted in euro;
- Loans by maturity (BS/LBM): Euro and non-euro converted into euro;
- Deposits by maturity (BS/ DBM): Euro and non-euro converted into euro;
- Debt securities (BS/DS): Euro and non-euro converted into euro;

The cover page must be filled and signed by authorized person(s). The first electronic submission for a given reference month must contain all schedules. Each schedule in SBR is identified by a set of information:

- The name of the reporting bank ('Bank Name');
- The 'Currency code' explaining the currency composition of the data reported in the schedule:
  - o Only euro (code 1);
  - Only currencies other than euro, but converted into euro for the reporting (code 3);

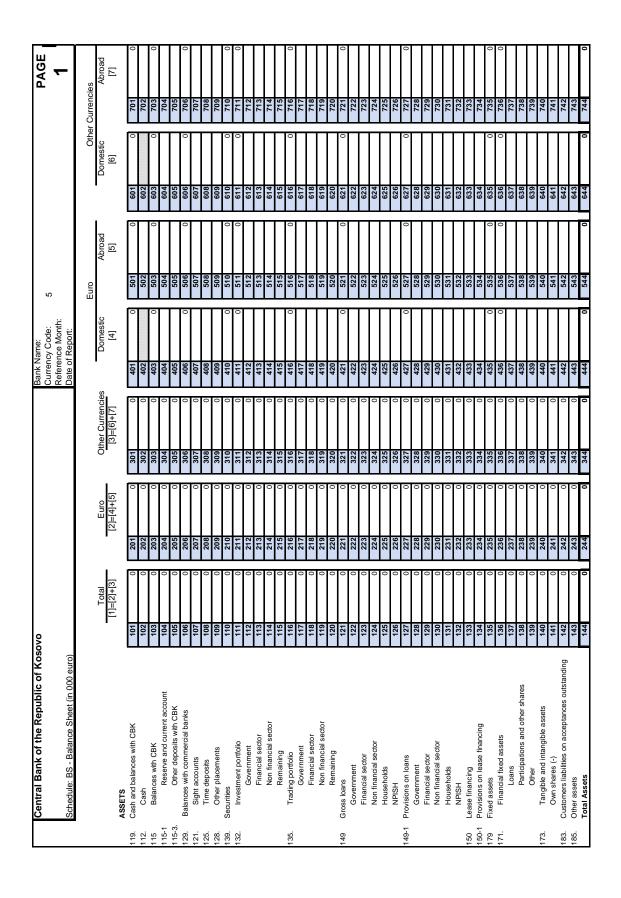
- Euro combined with currencies other than euro, but converted into euro for the reporting (code 5);
- The code of the 'Reference month' of the data in the report (YY/MM);
- The 'Date of Report' represents the date the report has been sent (YY/MM/DD).

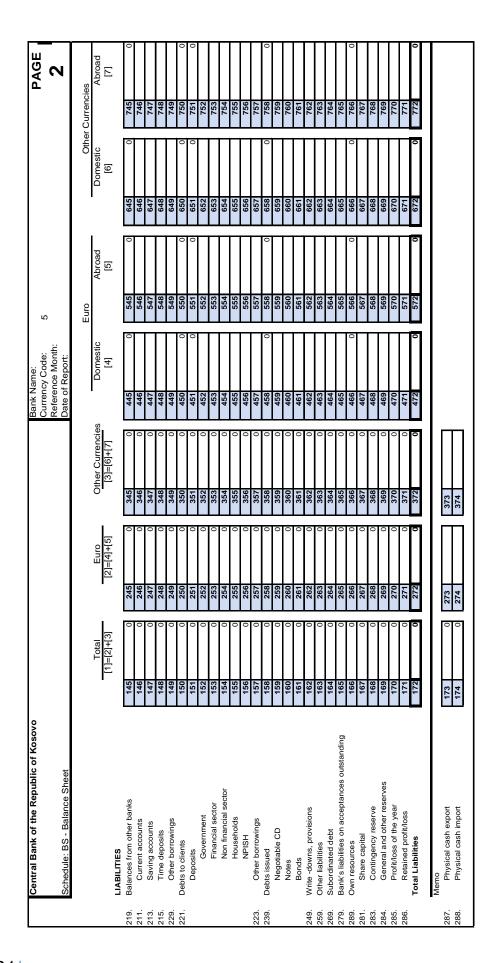


# STATISTICAL BANK REPORT

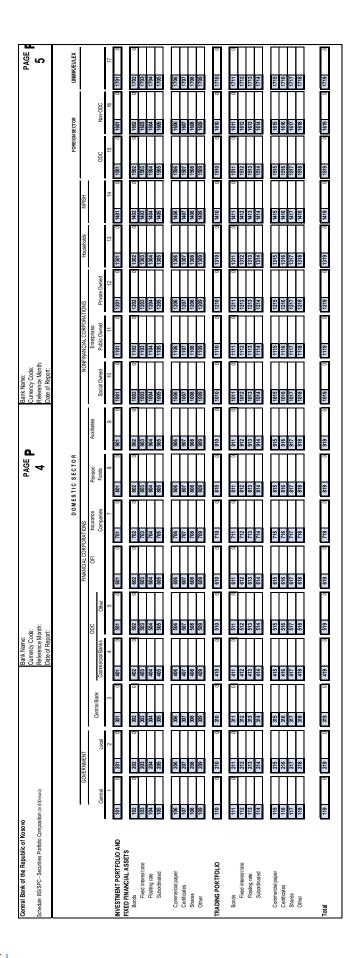
(Version 2.0)

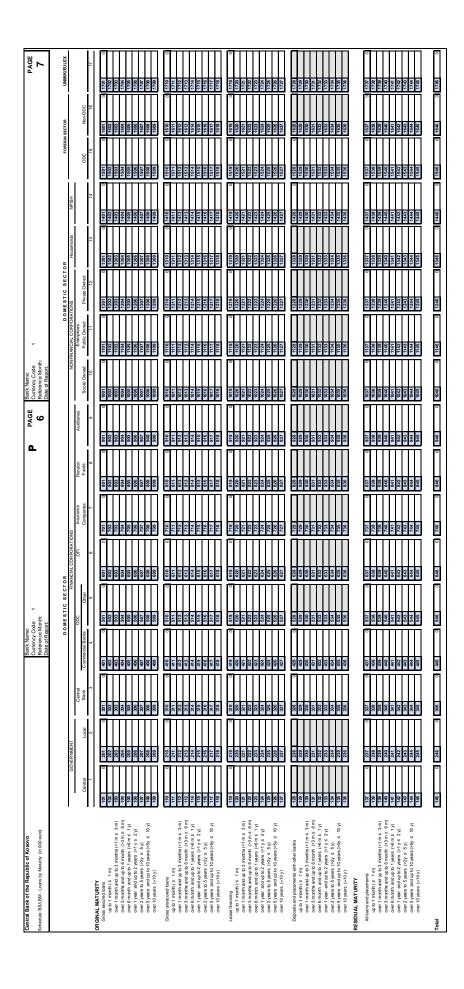
	Bank name	
The la	ast day of the reporting period and the report r	number
Note: The Statistical Bank Report must be signistitution's management board.	ned by the officer of the bank responsible for p	reparing it and at least one member of the
To be fulfilled by commercial bank:	d	- Chatistical Real: Depart has been
	d member of the bank, I hereby declare that thi structions issued by the Central Bank of the Re	
Signature of responsible officer	-	Signature of Management Board Member
Date		Date
To be fulfilled by CBK:		
Signature of Statistician	-	Signature of the Director of Statistics
	_	
Date		Date

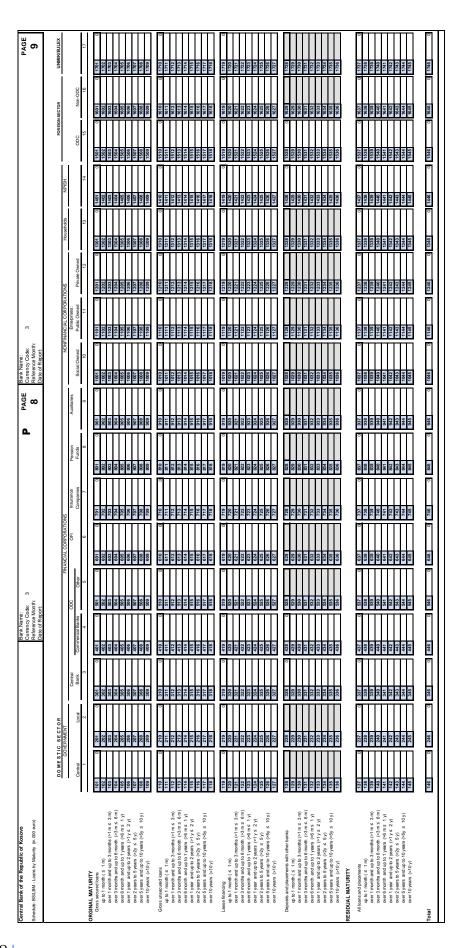




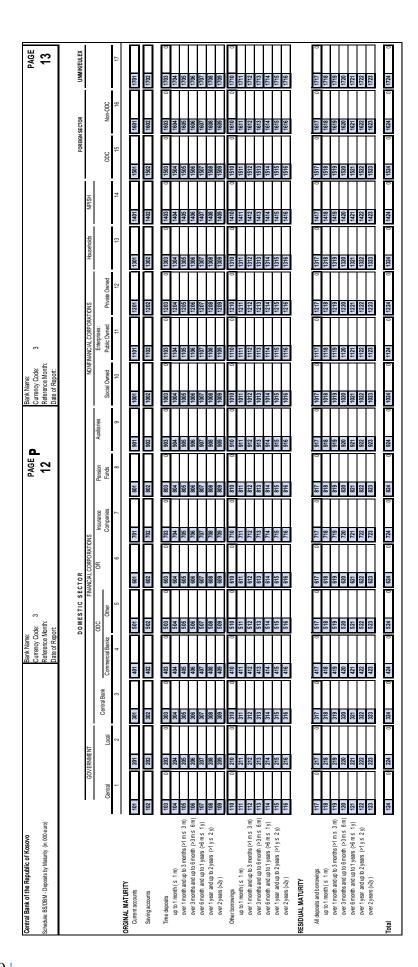
	Central Bank of the Republic of Kosovo		Bank Name:			6	1	C up		
NACE Classification	Schedule: BS/LBI - Nonfinancial Corporations Loans by economic activities, exduding Households and NPISH (in 000 euro)	cluding Households	Currency Code: Reference Month: Date of Report:	-		r		3 <b>F</b>		
				ORIGINAL MATURITY	Ł					
		Up to 1 month (≤ 1 m)	Over 1 month and up to 3 months (>1 m ≤ 3 m)	Over 3 months and up to 6 months (>3 m ≤ 6 m)	Over 6 months and up to 1 year (>6 m ≤ 1 y)	r6 Over 1 year s and and up to 2 year years : 1 y) (>1 y ≤ 2 y)		Over 2 years Over 5 years and up to 5 years years years (25 y ≤ 5 y) (55 y ≤ 10 y)	years to 10 rs 10 y)	Over 10 years (>10 y)
∢_	Agriculture	101	201	301	401	501	601	704	801	
œ	Industry, manufacture, energy and construction Mining and guarring	<b>102</b> 0	<b>202</b> 0	<b>302</b> 0	402	0 502 503	0 602 603	0 702 703	0 802	0
10	Manufacturing	104	204	304	404	504	604	704	804	
Q	Energy, gas and oils sectors	105	205	305	405	505	909	202	802	
ш	Water industry and related activities	106	206	306	406	206	909	902	908	
ட	Construction	107	207	307	407	205	209	707	807	
	Services	<b>108</b> 0	<b>208</b> 0	<b>308</b>	408	0 <b>208</b>	<b>809</b> 0	<b>202</b>	0	0
g	Trade	109	209	309	409	509	609	402	808	T
ш	Transport and storage	110	210	310	410	510	610	710	810	
_	Accomodation, hotels and restaurant activities	111	211	311	411	511	611	711	811	
7	Information and communication	112	212	312	412	512	612	712	812	
×	Financial and insurance services	113	213	313	413	513	613	713	813	
¥	Rent and real estate services	114	214	314	414	514	614	714	814	
Σ	Profesional, science and technical services	115	215	315	415	515	615	715	815	
N, O, P, O, R	Public, social and administrative activities	116	216	316	416	516	616	716	816	
<sub>ω</sub>	Other services	117	217	317	417	517	617	717	817	
	Total	118 0	<b>218</b> 0	318 0	418	0 518	0 618	0 718	0 818	0
									]	







Central Bank of the Republic of Kosovo Schedule: BS/DBM - Deposits by Maturity (in 000 euro)				ಹ೦ಘರ	Bank Name: Currency Code: Reference Month: Date of Report:					PAGE <b>P</b> 10	<u> ш0 ~ д</u>	Bank Name: Currency Code: Reference Month Date of Report:	-								PAGE 11
		CONTENHENT			DOA	DOMESTIC SECTOR	TOR TOR	g K				Š	GO WINNESS	PODATIONIO		op or other states of the stat	To SUL	¥	FOREIGN SECTOR		UNMIK/EULEX
	Central	OVERNIMEN I Local	Central Bank	k Commercial Bank	ODC roial Banks	Other	FINANCIAL CORPORATIONS  OFI	Insurance		Pension A Funds	Auxiliaries	Social Owned	NONFINANCIAL CONFORATIONS Enlerprises: ed Public Owned Pri	S: Private	Private Owned	Households	FIGURE	000 -		Non-ODC	
	-	2	3		4	2	9	1		8	6	10	#		12	13	14	15	2	16	17
OKGINAL MA I UKI I Y  Current accounts	101	201	301	401	501		601	701	801	901	1	1001	1101	1201	1301		1401	1501	1601		1701
Saving accounts	102	202	302	402	505	2	602	702	802	905		1002	1102	1202	1302	Ī	1402	1502	1602	Ī	1702
Time deposits	103 0	203	0 303	0 403	0 203	0	603	0 703	0 803	0 903	0	1003	0 1103	0 1203	0 1303	0	1403 0	1503	0 1603	0	1703
up to 1 month (≤ 1 m)	104	204	304	404	204	4	604	704	804	904		1004	1104	1204	1304		1404	1504	1604		1704
over 1 month and up to 3 months (>1 m ≤ 3 m)	105	205	305	405	505	2	605	705	805	302		1005	1105	1205	1305		1405	1505	1605		1705
over 3 months and up to 6 month (>3 m ≤ 6 m) over 6 month, and up to 1 years (>6 m ≤ 1 v)	106	207	302	406	507	٥	909	707	808	906		1005	1106	1206	1305		1406	1507	1606		1707
over 1 year and up to 2 years (>1 y ≤ 2 y)	108	208	308	408	208		809	802	808	806		1008	1108	1208	1308		1408	1508	1608		1708
over 2 years (>2y)	109	509	309	409	209	6	609	402	808	806		1009	1109	1209	1309		1409	1509	1609		1709
Other borrowings	110 0	0 210	310	0 410	0 510	0 0	610	0 710	0 810	0 910	0	1010	1110	1210	1310	0	1410 0	1510	0 1610	0	1710
up to 1 month (≤ 1 m)	111	211	311	411	511		611	711	811	911		1011	1111	1211	1311		1411	1511	1611		1711
over 1 month and up to 3 months (>1 m ≤ 3 m)	112	212	312	412	512	2	612	712	812	912		1012	1112	1212	1312		1412	1512	1612		1712
over 3 months and up to 6 month (>3 m≤ 6 m)	113	213	313	413	513		613	713	813	913		1013	1113	1213	1313		1413	1513	1613		1713
over 6 month and up to 1 years (>6 m ≤ 1 y) over 1 year and up to 2 years (>1 v ≤ 2 v)	114	215	315	414	515	4	615	715	815	915	Ì	1015	1114	1214	1315		1415	1515	1615		1715
over 2 years (>2y )	116	216	316	416	516	9	616	716	816	916		1016	1116	1216	1316		1416	1516	1616		1716
RESIDUAL MATURITY																					
All deposits and borrowings	117	217	317	0 417	0 517	0	617	717	0 817	0 917	0	1017	1117	1217	1317	0	1417 0	1517	1617	0	1717
up to 1 month ( ≤ 1 m)	118	218	318	418	518	8	618	718	818	918		1018	1118	1218	1318		1418	1518	1618		1718
over 1 month and up to 3 months (>1 m ≤ 3 m)	119	219	319	419	519	6	619	719	819	919	Ì	1019	1119	1219	1319		1419	1519	1619		1719
over 3 months and up to 6 month (>3 m ≤ 6 m) over 6 month and up to 1 years (>6 m ≤ 1 v)	120	221	320	420	521		620	721	820	920		1020	1120	1220	1321		1421	1520	1620		1721
over 1 year and up to 2 years (>1 y ≤ 2 y)	122	222	322	422	522	2	622	722	822	922		1022	1122	1222	1322		1422	1522	1622		1722
over 2 years (>2y )	123	223	323	423	523	3	623	723	823	923		1023	1123	1223	1323		1423	1523	1623		1723
Total	124 0	224	324	0 424	0 524	0	624	724	0 824	0 924	0	1024	1124	0 1224	1324	0	1424 0	1524	1624	0	1724



Central Bank of the Republic of Kosovo				Bank Name:	183			PAGE D	<u>aŭ</u> ĉ	Bank Name:	600						PA	PAGE
Schedule: BS/DS - Debt Securities (in 000 euro)				Reference Month: Date of Report:				14	) K Q	Reference Month: Date of Report:	2						1	15
	DOMESTIC SECTOR	OR													FOR	FOREIGN SECTOR	UNMIK/EULEX	EULEX
	GOVERNMENT	lova	Central Rank Comma	ODC	FINANCIAL CO	FINANCIAL CORPORATIONS OF! Insu	Insurance	Pension	Auxiliaries	NON NON	NONFINANCIAL CORPORATIONS Enterprises:  Public Owner	ATIONS Private Owner	Households	NPISH	1	OUC-roly		
	-		_	4	5	9	7	88	6	10	Ξ.	12	13	14	15	16		17
HOLDERSHIP, (issued in EUR Currency)  Nagable Curriated of Discussion (1990)  over 1 year (4 of 19)  over 2 years on the 2 years (5 of 5)  over 2 years and up b 5 years (5 of 5)  over 2 years and up b 5 years (5 of 5)  over 2 years and up b 5 years (5 of 5)  over 6 years and up to 10 to 10 years (5 of 5 of 10)  over 10 years (6 of 5)	101 0 201 102 202 103 203 104 204 106 205	302 302 303 304 305	402 403 404 404 405 406	0 501 502 503 503 504 505	603	0 701 702 703 703 704 705	803 803 804 804 805 806 806	900 900 900 900 900 900 900 900	0	1001 0 1002 1003 1004 1006	1101 0 1102 1103 1103 1104 1106	1201 1202 1203 1203 1204 1205	1302 1302 1303 1304 1306 1306	1401 1402 1403 1404 1406 1406	0 1501 1502 1503 1504 1506 1506	0 1601 1602 1603 1603 1604 1606	1701 1702 1703 1703 1704 1706	
Notice (and for the first for first for first for first for first for first first for first first for first for first first for first for first firs	0	0 307 308 309 310 311	0 407 408 409 410 411	0 507 508 509 510 511 511	607 608 609 610 611	0 707 708 709 710 711	0 808 808 809 811 811 811 811	0	0	1007 0 1008 1009 1010 1011	1107 0 1108 1109 1110 1111	1207 1208 1209 1210 1211	1307 1308 1309 1310 1311 1311	0 1407 1408 1409 1410 1411	1507 1508 1509 1510 1511 1511	1607 1608 1609 1610 1611 1611	0 1707 1708 1709 1710 1711 1712	
Bonds to year (5 1 y) years (5 1 y) over 1 year (6 1 y) over 2 years and up to 2 years (5 1 y) over 2 years and up to 5 years (5 y) over 6 years and up to 10 years (6 y 5 10) over 10 years (6 10 years (6 10 years (6 10 years))	113 0 213 114 214 115 216 116 216 117 217	0 313 316 317 318	0 413 414 415 416 417 418	0 513 514 515 516 517 518	0 613 614 615 615 616 617	0 714 715 716 717 718	0 813 814 815 816 817 818	33 0 913 4 914 5 915 6 916 7 917 8 918	0	1013 0 1014 1015 1016 1017	1113 0 1114 1115 1116 1117	1213 1214 1215 1216 1217	0 1313 1314 1315 1316 1317	0 1413 1414 1415 1416 1417	0 1513 1514 1515 1516 1517 1518	0 1613 1614 1615 1616 1617	0 1713 1714 1715 1716 1717	0
Total	119 0 219	0 319	0 419	0 519	0 619	0 719	0 819	0 016	0	<b>1019</b> 0	<b>1119</b> 0	1219	0 1319	0 1419	0 1519	0	0 1719	0
MODERSHIP (issued in Non-BJR Currency) Mopplation Conficere of Deposit Up 19 y 19 well (21) Over 1 year and up 2 2 years (21) 2 3 y Over 2 years and up 2 5 years (21) 5 2 y) Over 2 years and up 2 b 5 years (22) 5 5 y) Over 2 years and up 2 b 10 years (25) 5 2 (10) Over 10 years (210)	120   0   220   121   121   221   123   123   124   124   124   224   125	0 320 321 322 323 323 324	420 421 423 424 424 425	0 520 521 521 522 522 523 523	0 620 621 622 622 623 624 624	0 720 721 722 723 723 724	0 820 821 822 823 824 824 824	0 0 0 920 1 0 921 2 923 3 924 6 924	0	1020 0 1021 1022 1023 1024 1024	1120 0 1121 1122 1122 1123 1124 1125	1220 1221 1222 1223 1224 1224	0 1320 1321 1322 1323 1323 1324	0 1420 1421 1422 1423 1424 1425	0 1520 11521 1521 1522 1523 1524 1525	1620 1621 1622 1623 1624 1624 1625	1720 1721 1721 1722 1723 1723 1724	
Nobes up to 1 year ( ≤ 1 y) over 2 years and up to 2 years (>1 y ≤ 2 y) over 2 years and up to 5 years (>5 y ≤ 5 y) over 5 years and up to 5 years (>5 y ≤ 6 y) over 5 years and up to 1 years (>5 y ≤ 10 y) over 10 years (>10 y)	126 0 226 127 227 128 228 129 229 130 220	0 326 327 328 328 330 331	0 426 427 428 430 431	0 526 527 528 528 529 530 531	0 626 627 628 628 629 630	0 726 727 728 729 730	0 826 827 828 829 830 830	6 0 926 7 927 8 928 9 929 0 930 1 931	0	1026 0 1027 1028 1029 1030	1126 0 1127 1128 1129 1130	1226 1227 1228 1229 1230 1231	0 1326 1327 1328 1329 1330	1426 1427 1428 1429 1430	0 1526 1527 1528 1529 1530	0 1626 1627 1628 1629 1630 1631	0 1726 1727 1728 1730 1730	
Bonds up 1 year (s. 11y) up 1 year (s. 11y) over 1 year and up 0.5 years (> 1 y 2,0) over 1 years and up 10 years (> 2 y 5. 5 y) over 1 years and up 10 (years (> 5 y 5 10 y) over 1 years (> 10 y)	132 0 233 133 224 134 224 135 226 136 226 137 227	333	432 433 434 436 436 437	533 534 534 535 535 535 536	633 634 635 636 636 637	732 733 734 736 735	833 834 835 835 836 836	3 033 3 933 4 934 5 935 6 935 7 937		1032 0 1033 1034 1035 1035 1037	1132 0 1133 1134 1135 1136 1137	1232 1233 1234 1235 1236 1237	1332 1333 1334 1335 1336 1337	1432 1433 1434 1435 1435 1437	0 1532 1533 11534 1535 1535 1537	1632 1633 1634 1635 1635 1636	1732 1733 1734 1736 1736 1737	
l otal	0	0 338	0 438		0	0 738	83	0	0	0 38 0	1138	1238	1338	0 1438	0 1538	0	0 1738	0

# Appendix 1: Validation Rules

No.	Code	Description
1	1001	DS 520= sum(521:525)
2	1002	DS 532= sum(533:537)
3	1003	DS 538= 520+526+532
4	1004	DS 601= sum(602:606)
5	1005	DS 607= sum(608:612)
6	1006	DS 613= sum(614:618)
7	1007	DS 619= 601+607+613
8	1008	DS 620= sum(621:625)
9	1009	DS 626= sum(627:631)
10	1010	DS 627= sum(628:631)
11	1011	DS 638= 620+626+632
12	1012	DS 701= sum(702:706)
13	1013	DS 707= sum(708:712)
14	1014	DS 713= sum(714:718)
15	1015	DS 719= 701+707+713
16	1016	DS 720= sum(721:725)
17	1017	DS 726= sum(727:731)
18	1018	DS 732= sum(733:737)
19	1019	DS 738= 720+726+732
20	1020	DS 801= sum(802:806)
21	1021	DS 807= sum(808:812)
22	1022	DS 1538=1520+1526+1532
23	1023	DS 1601=sum(1602:1606)
24	1024	DS 1607=sum(1608:1612)
25	1025	DS 1613=sum(1614:1618)
26	1026	DS 1619=1601+1607+1613
27	1027	DS 1620=sum(1621:1625)
28	1028	DS 1626=sum(1627:1631)
29	1029	DS 1632=sum(1633:1637)
30	1030	DS 168=1620+1626+1632
31	1031	DS 1701=sum(1702:1706)
32	1032	DS 1707=sum(1708:1712)
33	1033	DS 1713=sum(1714:1718)
34	1034	DS 1719=1701+1707+1713
35	1035	DS 1720=sum(1721:1725)
36 27	1036	DS 1726=sum(1727:1731)
37 38	1037 1038	DS 1732=sum(1733:1737) DS 1738=1720+1726+1732
39	1038	BS vs LBM(1) 507+508+509 =1528
40	1039	BS vs LBM(1) 407+408+409+437 >= 428
41	1040	BS vs DBM(1) 550<=1624+1724
42	1042	BS vs DBM(1) 251<=sum(124:224)+sum(524+1424)+sum(1624:1724)
43	1043	BS vs DBM(3) 750 >= 1624+1724
44	1044	BS vs DS(1&3) 158= sum(119:1719)+sum(138:1738)
45	1045	BS vs DS(1&3) 159= sum(101:1701)+sum(120:1720)
46	1046	BS vs DS(1&3) 160= sum(107:1707)+sum(126:1726)
47	1047	BS vs DS(1&3) 161= sum(113:1713)+sum(132:1732)
48	1048	BS vs DS(1&3) 258= sum(119:1719)
49	1049	BS vs DS(1&3) 259= sum(101:1701)
50	1050	BS vs DS(1&3) 260= sum(107:1707)
51	1051	BS vs DS(1&3) 261= sum(113:1713)

```
1052
             BS vs DS(1&3) 358= sum(138:1738)
 52
 53
      1053
             BS vs DS(1&3) 359= sum(120:1720)
 54
      1054
             BS vs DS(1&3) 360= sum(126:1726)
      1056
             BS vs DS(1&3) 261= sum(132:1732)
 55
 56
      1057
             BS vs DS(1&3) 459= sum(101:1401)
 57
      1058
             BS vs DS(1&3) 460= sum(107:1407)
      1059
             BS vs DS(1&3) 461= sum(113:1413)
 58
 59
      1060
             BS vs DS(1&3) 559= sum(1501:1701)
 60
      1061
             BS vs DS(1&3) 560= sum(1507:1707)
 61
      1062
             BS vs DS(1&3) 561= sum(1513:1713)
 62
      1063
             BS vs DS(1&3) 659= sum(120:1420)
 63
      1064
             BS vs DS(1&3) 660= sum(126:1426)
 64
      1065
             BS vs DS(1&3) 661= sum(132:1432)
             BS vs DS(1&3) 759= sum(1520:1720)
      1066
 65
             BS vs DS(1&3) 760= sum(1526:1726)
 66
      1067
 67
      1068
             BS vs DS(1&3) 761= sum(1532:1732)
 68
      1069
             DS 813=sum(814:818)
             DS 819= 801+807+813
 69
      1070
 70
      1071
             DS 820=sum(821:825)
 71
      1072
             DS 826=sum(827:831)
 72
      1073
             DS 832=sum(833:837)
 73
      1074
             DS 838=820+826+832
 74
      1075
             DS 901=sum(902:906)
 75
      1076
             DS 907=sum(908:912)
             DS 913=sum(914:918)
 76
      1078
 77
      1079
             DS 919=901+907+913
 78
      1080
             DS 920=sum(921:925)
 79
      1081
             DS 926=sum(927:931)
 80
      1082
             DS 932=sum(933:937)
 81
      1083
             DS 938=920+926+932
 82
      1084
             DS 1001=sum(1002:1006)
 83
      1085
             DS 1007=sum(1008:1012)
 84
      1086
             DS 1013=sum(1014:1018)
 85
      1087
             DS 1019=1001+1007+1013
 86
      1088
             DS 1020=sum(1021:1025)
      1089
 87
             DS 1026=sum(1027:1031)
 88
      1090
             DS 1032=sum(1033:1037)
      1091
             DS 1038=1020+1026+1032
 89
 90
      1092
             DS 1101=sum(1102:1106)
 91
      1093
             DS 1107=sum(1108:1112)
 92
      1094
             DS 1113=sum(1114:1118)
 93
      1095
             DS 1119=1101+1107+1113
 94
      1096
             DS 1120=sum(1121:1125)
      1097
 95
             DS 1126=sum(1127:1131)
 96
      1098
             DS 1132=sum(1133:1137)
 97
      1099
             DS 1138=1120+1126+1132
 98
      1100
             DS 1201=sum(1202:1206)
 99
      1101
             DS 1207=sum(1208:1212)
100
      1102
             DS 1213=sum(12142:1218)
      1103
101
             DS 1219=1201+1207+1213
102
      1104
             DS 1220=sum(1221:1225)
103
      1105
             DS 1226=sum(1227:1231)
104
      1106
             DS 1232=sum(1233:1237)
105
      1107
             DS 1238=1220+1226+1232
106
      1108
             DS 1301=sum(1302:1306)
```

```
1109
             DS 1307=sum(1308:1312)
107
108
      1110
             DS 1313=sum(1314:1318)
109
      1111
             DS 1316=1301+1307+1313
      1112
             DS 1320=sum(1321:1325)
110
111
      1113
             DS 1326=sum(1327:1331)
      1114
             DS 1332=sum(1333:1337)
112
      1115
             DS 1338=1320+1326+1333
113
114
      1116
             DS 1401=sum(1402:1406)
115
      1118
             DS 1413=sum(1414:1418)
      1119
             DS 1419=1401+1407+1413
116
117
      1120
             DS 1420=sum(1421:1425)
118
      1121
             DS 1426=sum(1427:1431)
119
      1122
             DS 1432=sum(1433:1437)
             DS 1438=1420+1426+1433
120
      1123
      1124
             DS 1501=sum(1502:1506)
121
122
      1125
             DS 1507=sum(1508:1512)
123
      1126
             DS 1513=sum(1514:1518)
124
      1127
             DS 1516=1501+1507+1513
125
      1128
             DS 1520=sum(1521:1525)
126
      1129
             DS 1526=sum(1527:1531)
127
      1130
             DS 1532=sum(1533:1537)
128
      1406
             DS 1407=sum(1408:1412)
129
      2001
             BS 101= BS 201+BS 301
130
      2002
             BS 102= BS 202+BS 302
      2003
131
             BS 103= BS 203+BS 303
132
      2004
             BS 104= BS 204+BS 304
133
      2005
             BS 105= BS 205+BS 305
      2006
             BS 106= BS 206+BS 306
134
135
      2007
             BS 107= BS 207+BS 307
136
      2008
             BS 108= BS 208+BS 308
137
      2009
             BS 109= BS 209+BS 309
138
      2010
             BS 110= BS 210+BS 310
      2011
139
             BS 111= BS 211+BS 311
140
      2012
             BS 112= BS 212+BS 312
141
      2013
             BS 113= BS 213+BS 313
      2014
             BS 114= BS 214+BS 314
142
143
      2015
             BS 115= BS 215+BS 315
144
      2016
             BS 116= BS 216+BS 316
      2017
             BS 117= BS 217+BS 317
145
      2018
146
             BS 118= BS 218+BS 318
147
      2019
             BS 119= BS 219+BS 319
148
      2020
             BS 120=BS 220+BS 320
      2021
             BS 121=BS 221+BS 321
149
      2022
150
             BS 122=BS 222+BS 322
151
      2023
             BS 123=BS 223+BS 323
152
      2024
             BS 124=BS 224+BS 324
153
      2025
             BS 125=BS 225+BS 325
154
      2026
             BS 126=BS 226+BS 326
      2027
             BS 127=BS 227+BS 327
155
      2028
156
             BS 128=BS 228+BS 328
157
      2029
             BS 129=BS 229+BS 329
158
      2030
             BS 130=BS 230+BS 330
159
      2031
             BS 131=BS 231+BS 331
160
      2032
             BS 132=BS 232+BS 332
161
      2034
             BS 142 =BS 242 + BS 342
```

```
2035
             BS 242=BS 442 + BS 542
162
163
      2036
             BS 342=BS 642 + BS 742
164
      2037
             BS 143=BS 243 + BS 343
165
      2038
             BS 243=BS 443 + BS 543
166
      2039
             BS 343=BS 643 + BS 743
      2040
             BS 144=BS 172
167
      2041
             BS 144=BS 244 + BS 344
168
169
      2042
             BS 244=BS 444 + BS 544
170
      2043
             BS 344= BS 644 + BS 744
171
      2044
             BS 145= BS 245 + BS 345
172
      2045
             BS 146= BS 246 + BS 346
      2046
173
             BS 147= BS 247 + BS 347
174
      2047
             BS 148= BS 248 + BS 348
      2048
175
             BS 149= BS 249 + BS 349
      2049
176
             BS 150= BS 250 + BS 350
177
      2050
             BS 151= BS 251 + BS 351
178
      2051
             BS 152 = BS 252 + BS 352
      2052
179
             BS 153 = BS 253 + BS 353
180
      2053
             BS 154 = BS 254 + BS 354
      2054
181
             BS 155 = BS 255 + BS 355
      2055
182
             BS 156 = BS 256 + BS 356
183
      2056
             BS 157 = BS 257 + BS 357
184
      2057
             BS 158 = BS 258 + BS 358
185
      2058
             BS 159 = BS 259 + BS 359
      2059
186
             BS 160 = BS 260 + BS 360
187
      2060
             BS 161 = BS 261 + BS 361
188
      2061
             BS 162 = BS 262 + BS 362
189
      2062
             BS 163 = BS 263 + BS 363
190
      2063
             BS 164 = BS 264 + BS 364
191
      2064
             BS 165 = BS 265 + BS 365
192
      2065
             BS 166 = BS 266 + BS 366
193
      2066
             BS 167 = BS 267 + BS 367
      2067
194
             BS 168 = BS 268 + BS 368
195
      2068
             BS 169 = BS 269 + BS 369
196
      2069
             BS 170 = BS 270 + BS 370
      2070
197
             BS 171 = BS 271 + BS 371
198
      2071
             BS 172 = BS 272 + BS 372
199
      2072
             BS 201=BS 401+BS 501
200
      2073
             BS 202=BS 402+BS 502
201
      2075
             BS 204=BS 404 + BS 504
202
      2076
             BS 205=BS 405 + BS 505
      2077
203
             BS 206=BS 406 + BS 506
204
      2078
             BS 207=BS 407 + BS 507
205
      2079
             BS 208=BS 408 + BS 508
206
      2080
             BS 209=BS 409 + BS 509
207
      2081
             BS 210=BS 410 + BS 510
208
      2082
             BS 211=BS 411 + BS 511
209
      2083
             BS 212=BS 412 + BS 512
      2084
210
             BS 213=BS 413 + BS 513
      2085
211
             BS 214=BS 414 + BS 514
212
      2086
             BS 215=BS 415 + BS 515
213
      2087
             BS 216=BS 416 + BS 516
214
      2088
             BS 217=BS 417 + BS 517
215
      2089
             BS 218=BS 418 + BS 518
216
      2090
             BS 219=BS 419 + BS 519
```

```
217
      2091
             BS 220=BS 420 + BS 520
218
      2092
             BS 221=BS 421 + BS 521
219
      2093
             BS 222=BS 422 + BS 522
220
      2094
             BS 223=BS 423 + BS 523
221
      2095
             BS 224=BS 424 + BS 524
222
      2096
             BS 225=BS 425 + BS 525
223
      2097
             BS 226=BS 426 + BS 526
224
      2098
             BS 227=BS 427 + BS 527
225
      2099
             BS 228=BS 428 + BS 528
      2100
             BS 229=BS 429 + BS 529
226
227
      2101
             BS 230=BS 430 + BS 530
      2102
228
             BS 231=BS 431 + BS 531
229
      2103
            BS 232=BS 432 + BS 532
      2115
             BS 245 = BS 445 + BS 545
230
      2116
             BS 246 = BS 446 + BS 546
231
232
      2117
             BS 247 = BS 447 + BS 547
233
      2118
             BS 248 = BS 448 + BS 548
234
      2119
             BS 249 = BS 449 + BS 549
235
      2120
             BS 251 = BS 451 + BS 551
      2121
             BS 252 = BS 452 + BS 552
236
237
      2122
             BS 253 = BS 453 + BS 553
238
      2123
             BS 254 = BS 454 + BS 554
239
      2124
             BS 255 = BS 455 + BS 555
240
      2125
             BS 256 = BS 456 + BS 556
241
      2126
             BS 257 = BS 457 + BS 557
242
      2127
             BS 258 = BS 458 + BS 558
243
      2128
             BS 259 = BS 459 + BS 559
244
      2129
             BS 260 = BS 460 + BS 560
      2130
245
             BS 261 = BS 462 + BS 562
246
      2131
             BS 262 = BS 462 + BS 562
247
      2132
             BS 263 = BS 463 + BS 563
248
      2133
             BS 264 = BS 464 + BS 564
249
      2134
             BS 265 = BS 465 + BS 565
250
      2135
             BS 266 = BS 466 + BS 566
251
      2136
             BS 267 = BS 467 +567
252
      2137
             BS 268 = BS 468 + BS 568
253
      2138
             BS 269 = BS 467 + BS 569
254
      2139
             BS 270 = BS 470 + BS 570
255
      2140
             BS 271 = BS 471 + BS 571
256
      2141
             BS 272 = BS 472+BS 572
257
      2142
             BS 301=BS 601 + BS 701
      2143
258
             BS 302=BS 602 + BS 702
259
      2144
             BS 303=BS 603 + BS 703
260
      2145
             BS 304=BS 604 + BS 704
261
      2146
             BS 305=BS 605 + BS 705
262
      2147
             BS 306=BS 606 + BS 706
263
      2148
             BS 307=BS 607 + BS 707
264
      2149
             BS 308=BS 608 + BS 708
265
      2150
             BS 309=BS 609 + BS 709
266
      2151
             BS 310 = BS 610 + BS 710
             BS 311 = BS 611 + BS 711
267
      2152
268
      2153
             BS 312 = BS 612 + BS 712
269
      2154
             BS 313 = BS 613 + BS 713
      2155
270
             BS 314 = BS 614 + BS 714
271
      2156
             BS 315 = BS 615 + BS 715
```

```
272
      2157
             BS 316 = BS 616 + BS 716
273
      2158
             BS 317 = BS 617 + BS 717
274
      2159
             BS 318 = BS 618 + BS 718
275
      2160
             BS 319 = BS 619 + BS 719
276
      2161
             BS 320 = BS 620 + BS 720
277
      2162
             BS 321 = BS 621 + BS 721
      2163
             BS 322 = BS 622 + BS 722
278
279
      2164
             BS 323 = BS 623 + BS 723
280
      2165
             BS 324 = BS 624 + BS 724
281
      2166
             BS 325 = BS 625 + BS 725
282
      2167
             BS 326= BS 626 + BS 726
283
      2168
             BS 327= BS 627 + BS 727
284
      2169
             BS 328 = BS 628 + BS 728
      2170 BS 329= BS 629 + BS 729
285
286
      2171
             BS 330= BS 630 + BS 730
287
      2172
             BS 331= BS 631 + BS 731
288
      2173
             BS 332= BS 632 + BS 732
289
      2174
             BS 333= BS 633 + BS 733
290
      2175
             BS 334= BS 634 + BS 734
291
      2176
             BS 335= BS 635 + BS 735
292
      2177
             BS 336= BS 636 + BS 736
293
      2178
             BS 337= BS 637 + BS 737
294
      2179
             BS 338= BS 638 + BS 738
295
      2180
             BS 339= BS 639 + BS 739
296
      2181
             BS 340= BS 640 + BS 740
297
      2182
             BS 341= BS 641 + BS 741
298
      2183
             BS 342= BS 642 + BS 742
299
      2184
            BS 343= BS 643 + BS 743
300
      2185
             BS 344= BS 644 + BS 744
301
      2186
             BS 345= BS 645 + BS 745
302
      2187
             BS 346= BS 646 + BS 746
      2188
303
             BS 347= BS 647 + BS 747
304
      2189
             BS 348= BS 648 + BS 748
305
      2190
             BS 349= BS 649 + BS 749
      2191
306
             BS 350= BS 650 + BS 750
307
      2192
             BS 351= BS 651 + BS 751
308
      2193
             BS 352= BS 652 + BS 752
309
      2194
             BS 353= BS 653 + BS 753
310
      2195
             BS 354= BS 654 + BS 754
      2196
311
             BS 355= BS 655 + BS 755
312
      2197
             BS 356= BS 656 + BS 756
      2198
313
             BS 357= BS 657 + BS 757
314
      2199
             BS 358 = BS 658 + BS 758
      2200
             BS 359 = BS 659 + BS 759
315
316
      2201
             BS 360 = BS 660 + BS 760
317
      2202
             BS 361 = BS 661 + BS 761
318
      2203
             BS 362 = BS 662 + BS 762
      2204
319
             BS 363 = BS 663 + BS 763
320
      2205
             BS 364 = BS 664 + BS 764
321
      2206
             BS 365 = BS 665 + BS 765
             BS 366 = BS 666 +BS 766
322
      2207
323
      2208
             BS 367 = BS 667 + BS 767
324
      2209
             BS 368 = BS 668 + BS 768
      2210
325
             BS 369 = BS 669 + BS 769
326
      2211
             BS 370 = BS 670 + BS 770
```

```
327
     2215
            BS 401 = BS 403
328 2216 BS 501 = BS 502 + BS 503
329 2217 BS 601 = BS 603
330 2218 BS 701 = BS 702 + BS 703
331 2222 BS 403 = BS 404 + BS 405
     2223 BS 503 = BS 504 + BS 505
332
333 2224 BS 603 = BS 604 + BS 605
334 2225 BS 703 = BS 704 + BS 705
335 2229 BS 406 = BS 407 + BS 408 + BS 409
336 2230 BS 506 = BS 507 + BS 508 + BS 509
337 2231 BS 606 = BS 607 + BS 608 + BS 609
338 2232 BS 706 = BS 707 + BS 708 + BS 707
339
     2233 BS 110 = BS 210 +310
340 2234 BS 210 = BS 410 + 510
341 2235 BS 310 = BS 610 + 710
342 2236 BS 410 = BS 411 + BS 416
343 2237 BS 510 = BS 511 + BS 516
344 2238 BS 610 = BS 611 + BS 616
345
     2239
            BS 710 = BS 711 + BS 716
     2240 BS 111 = BS 211 + 311
346
347
     2241 BS 211 = BS 411 + 511
348
     2242 BS 311 = BS 611 + 711
349 2243 BS 411 = BS 412 + BS 413 + BS 414 + BS 415
350 2244 BS 511 = BS 512 + BS 513 + BS 514 + BS 515
351 2245 BS 611 = BS 612 + BS 613 + BS 614 + BS 615
352
     2246 BS 711 = BS 712 + BS 713 + BS 714 + BS 715
353
     2247 BS 116 = BS 216 + 316
354
     2248 BS 216 = BS 416 + 516
355
     2249 BS 316 = BS 616 + 716
356
     2250 BS 416 = BS 417 + BS 418 + BS 419 + BS 420
357
     2251 BS 516 = BS 517 + BS 518 + BS 519 + BS 520
358 2252 BS 616 = BS 617 + BS 618 + BS 619 + BS 620
     2253 BS 716 = BS 717 + BS 718 + BS 719 + BS 720
359
360
     2254 BS 121 = BS 221 + 321
361
     2255 BS 221 = BS 421 + 521
362 2256 BS 321 = BS 621 + 721
363
     2257 BS 421 = BS 422 + BS 423 + BS 424 + BS 425 + BS 426
364 2258 BS 521 = BS 522 + BS 523 + BS 524 + BS 525 + BS 526
365
     2259
            BS 621 = BS 622 + BS 623 + BS 624 + BS 625 + BS 626
366
     2260 BS 721 = BS 722 + BS 723 + BS 724 + BS 725 + BS 726
367
     2261
           BS 127 = BS 227 + 327
368
     2262 BS 227 = BS 427 + 527
369
     2263 BS 327 = BS 627 + 727
370
     2264 BS 427 = BS 428 + BS 429 + BS 430 + BS 431 + BS 432
371
     2265 BS 527 = BS 528 + BS 529 + BS 530 + BS 531 + BS 532
372
     2266 BS 627 = BS 628 + BS 629 + BS 630 + BS 631 + BS 632
373
     2267
            BS 727 = BS 728 + BS 729 + BS 730 + BS 731 + BS 732
374
     2268
            BS 133= BS 233+ BS 333
375
     2269
            BS 233= BS 433 + BS 533
376
     2270
            BS 333= BS 633 + BS 733
377
     2275
            BS 135= BS 235 + 335
378
     2276 BS 235= BS 435 + 535
379
     2277
            BS 335= BS 635 + 735
380
     2278 BS 435= BS 436 + BS 440 + BS 441
381
     2279
            BS 535= BS 536 + BS 540 + BS 541
```

```
2280
             BS 635= BS 636 + BS 640 + BS 641
382
383
      2281
             BS 735= BS 736 + BS 740+ BS 741
384
     2282 BS 136= BS 236 + 336
385
     2283 BS 236= BS 436 + 536
386
      2284
             BS 336= BS 636 + 736
      2285
             BS 436= BS 437 + BS 438 + BS 439
387
388
      2286 BS 536= BS 537 + BS 538 + BS 539
389
      2287 BS 636= BS 637 + BS 638 + BS 639
390
     2288 BS 736= BS 737 + BS 738 + BS 739
391
     2289 BS 144 = BS 101 + BS 106 + BS 110 + BS 120 - BS 127 + BS 133 - BS 134 + BS 135 + BS 142 + BS 143
392
     2290 BS 244= BS 201 + BS 206 + BS 210 + BS 221 - BS 227 + BS 233 - BS 234 + BS 235 + BS 242 + BS 243
393
     2291 BS 344= BS 301 + BS 306 + BS 310 + BS 321- BS 327 + BS 333 - BS 334 + BS 335 + BS 342 + BS 343
394
      2292 BS 444= BS 401 + BS 406 + BS 410 + BS 421 - BS 427 + BS 433 - BS 434 + BS 435 + BS 442 + BS 443
     2293 BS 544= BS 501 + BS 506 + BS 510 + BS 521 - BS 527 + BS 533 - BS 534 + BS 535 + BS 542 + BS 543
395
396
     2294 BS 644= BS 601 + BS 606 + BS 610 + BS 621 - BS 627 + BS 633 - BS 634 + BS 635 + BS 642 + BS 643
      2295
             BS 744= BS 701 + BS 706 + BS 710 + BS 721 - BS 727 + BS 733 - BS 734 + BS 735 + BS 742 + BS 743
397
398
     2296 BS 145= BS 245 + 345
399
      2297
             BS 245=BS 445 + 545
400
      2298
             BS 345=BS 645 + 745
401
      2299
             BS 445= BS 446 + BS 447 + BS 448 + BS 449
402
      2300
             BS 545= BS 546 + BS 547 + BS 548 + BS 549
403
      2301
             BS 645= BS 646 + BS 647 + BS 648 + BS 649
404
      2302
             BS 745= BS 746 + BS 747 + BS 748 + BS 749
405
      2303
            BS 150 = BS 250 + 350
406
     2304
            BS 250= BS 450 + 550
407
      2305
            BS 350 = BS 650 + 750
408
      2306 BS 450 = BS 451 + BS 457
409
      2307
             BS 550 = BS 551 + BS 557
      2308 BS 650 = BS 651 + BS 657
410
411
      2309
            BS 750 = BS 751 + BS 757
412
     2310 BS 151= BS 251 + 351
413
     2311 BS 251 = BS 451 + 551
414
      2312 BS 351 = BS 651 + 751
415
      2313 BS 451 = BS 452 + BS 453+ BS 454 + BS 455 + BS 456
416
      2314 BS 551 = BS 552 + BS 553+ BS 554 + BS 555 + BS 556
417
      2315 BS 651 = BS 652 + BS 653 + BS 654 + BS 655 + BS 656
418
      2316 BS 751 = BS 752 + BS 753+ BS 754 + BS 755 + BS 756
     2317
419
             BS 158 = BS 258 + 358
     2318 BS 258 = BS 458 + 558
420
      2319 BS 358 = BS 658 + 758
421
422
      2320 BS 458 = BS 459 + BS 460 + BS 461
423
      2321
            BS 558 = BS 559 + BS 560 + BS 561
424
      2322 BS 658= BS 659 + BS 660 + BS 661
425
     2323 BS 758 = BS 759 + BS 760 +BS 761
426
     2324 BS 164 = BS 264 + 364
427
      2325 BS 264 = BS 464 + 564
428
     2326
             BS 364 = BS 664 +764
429
      2327
             BS 466 = BS 467 + BS 468 +BS 469 +BS 470 +BS 471
430
      2328
             BS 566 = BS 567 + BS 568 +BS 569 +BS 570 +BS 571
431
      2329
             BS 666 = BS 667 + BS 668 +BS 669 +BS 670 +BS 671
432
      2330
             BS 766 = BS 767 + BS 768 +BS 769 +BS 770 +BS 771
433
      2331
             BS 172 = BS 145 + BS 150 +BS 158 + BS 162 +BS 163+ BS 164 + BS 165 + BS 166
434
      2332
             BS 272 = BS 245 + BS 250 +BS 258 + BS 262 +BS 263 + BS 264 + BS 265 + BS 266
435
      2333
             BS 372 = BS 345 + BS 350 + BS 358 + BS 362 +BS 363 + BS 364 + BS 365 + BS 366
      2334
436
             BS 472 = BS 445 + BS 450 +BS 458 + BS 462 +BS 463 + BS 464 + BS 465 + BS 466
```

```
2335
437
             BS 572 = BS 545 + BS 550 +BS 558 + BS 562 +BS 563+ BS 564 + BS 565 + BS 566
438
      2336
             BS 672 = BS 645 + BS 650 +BS 658 + BS 662 +BS 663+ BS 664 + BS 665 + BS 666
439
      2337
             BS 772 = BS 745 + BS 750 +BS 758 + BS 762 +BS 763+ BS 764 + BS 765 + BS 766
     2338 LBI 102 = LBI 103 + LBI 104+ LBI 105 + LBI 406 + LBI 107
440
441
      2339
             LBI 108 = LBI 109 + LBI 110+ LBI 111 + LBI 112 + LBI 113 + LBI 114 + LBI 115 + LBI 116 + LBI 117
      2340
             LBI 118 = LBI 101 + LBI 102+ LBI 108
442
443
      2341
             LBI 202 = LBI 203 + LBI 204+ LBI 205 + LBI 206 + LBI 207
444
     2342 LBI 208 = LBI 209 + LBI 210+ LBI 211 + LBI 212 + LBI 213 + LBI 214 + LBI 215 + LBI 216 + LBI 217
445 2343 LBI 218= LBI 201 + LBI 202 + LBI 208
446
     2344 LBI = 302= LBI 303 + LBI 304 + LBI 305 + LBI 306 + LBI 307
447
     2345 LBI 308 = LBI 309 + LBI 310 + LBI 311 + LBI 312 + LBI 313 + LBI 314 + LBI 314 + LBI 315 + LBI 316 + LBI 317
448
     2346
            LBI 318= LBI 301 + LBI 302+ LBI 308
449
      2347
             LBI 402 = LBI 403 + LBI 404 + LBI 405 + LBI 406 + LBI 407
     2348
            LBI 408 = LBI 409 + LBI 410+ LBI 411 + LBI 412 + LBI 413 + LBI 414 + LBI 415 + LBI 416 + LBI 417
450
451
     2349
             LBI 418 = LBI 401 + LBI 402+ LBI 408
     2350
             LBI 502 = LBI 503 + LBI 504 + LBI 505 + LBI 506 + LBI 507
452
453
      2351
             LBI 508 = LBI 509 + LBI 510 + LBI 511 + LBI 512 + LBI 513 + LBI 514 + LBI 515 + LBI 516 + LBI 517
      2352
454
             LBI 518 = LBI 501 + LBI 502+ LBI 508
455
      2353
             LBI 602= LBI 603 + LBI 604+ LBI 605 + LBI 606 + LBI 607
456
      2354
             LBI 608 = LBI 608 + LBI 609 + LBI 610 + LBI 611 + LBI 612 + LBI 613 + LBI 614 + LBI 615 + LBI 616 + LBI 617
457
      2355
             LBI 618= LBI 601 + LBI 602 + LBI 608
458
      2356
             LBI 702 = LBI 703 + LBI 704 + LBI 705 + LBI 706 + LBI 707
459
      2357
             LBI 708 = LBI 709 + LBI 710 + LBI 711 + LBI 712 + LBI 713 + LBI 714 + LBI 715 + LBI 716 + LBI 717
460
      2358
             LBI 718 = LBI 701 + LBI 702 + LBI 708
      2359
             LBI 802 = LBI 803 + LBI 804+ LBI 805+ LBI 806+ LBI 807
461
462
      2360
             LBI 808 = LBI 809 + LBI 810 + LBI 811 + LBI 812 + LBI 813 + LBI 814 + LBI 815 + LBI 816 + LBI 817
463
      2362
             LBI 818 = LBI 801 + LBI 802+ LBI 808
      2365
             SPC 101 = SPC 102 +SPC 106 + SPC 107 + SPC 108 +SPC 109
464
             SPC 201 = SPC 202 +SPC 206 + SPC 207 + SPC 208 +SPC 209
465
      2366
466
      2367
             SPC 301 = SPC 302 +SPC 306 + SPC 307 + SPC 308 +SPC 309
467
      2368 SPC 401 = SPC 402 +SPC 406 + SPC 407 + SPC 408 +SPC 409
468
      2369
             SPC 501 = SPC 502 +SPC 506 + SPC 507 + SPC 508 +SPC 509
      2370
             SPC 601 = SPC 602 +SPC 606 + SPC 607 + SPC 608 +SPC 609
469
470
      2371
             SPC 701 = SPC 702 + SPC 706 + SPC 707 + SPC 708 + SPC 709
471
      2372
             SPC 801 = SPC 802 +SPC 806 + SPC 807 + SPC 808 +SPC 809
472
     2373
             SPC 901 = SPC 902 +SPC 906 + SPC 907 + SPC 908 +SPC 909
473
     2374 SPC 1001 = SPC 1002 +SPC 1006 + SPC 1007 + SPC 1008 +SPC 1009
     2375 SPC 1101 = SPC 1102 +SPC 1106 + SPC 1107 + SPC 1108 +SPC 1109
474
     2376 SPC 1201 = SPC 1202 +SPC 1206 + SPC 1207 + SPC 1208 +SPC 1209
475
476
     2377
             SPC 1301 = SPC 1302 +SPC 1306 + SPC 1307 + SPC 1308 +SPC 1309
477
      2378 SPC 1401 = SPC 1402 +SPC 1406 + SPC 1407 + SPC 1408 +SPC 1409
478
      2379
             SPC 1501 = SPC 1502 +SPC 1506 + SPC 1507 + SPC 1508 +SPC 1509
479
      2380 SPC 1601 = SPC 1602 +SPC 1606 + SPC 1607 + SPC 1608 +SPC 1609
      2381
            SPC 102 = SPC 103 +SPC 104 + SPC 105
480
     2382
             SPC 202 = SPC 203 +SPC 204 + SPC 205
482
      2383 SPC 302 = SPC 303 +SPC 304 + SPC 305
483
      2384
             SPC 402 = SPC 403 +SPC 404 + SPC 405
484
      2385
             SPC 502 = SPC 503 +SPC 504 + SPC 505
      2386
485
             SPC 602 = SPC 603 +SPC 604 + SPC 605
             SPC 702 = SPC 703 + SPC 704 + SPC 705
486
      2387
487
      2388
             SPC 802 = SPC 803 +SPC 804 + SPC 805
488
      2389
             SPC 902 = SPC 903 +SPC 904 + SPC 905
489
      2390
             SPC 1002 = SPC 1003 +SPC 1004 + SPC 1005
490
      2391 SPC 1102 = SPC 1103 +SPC 1104 + SPC 1105
491
      2392
             SPC 1202 = SPC 1203 +SPC 1204 + SPC 1205
```

```
2393
             SPC 1302 = SPC 1303 +SPC 1304 + SPC 1305
492
493
     2394
             SPC 1402 = SPC 1403 +SPC 1404 + SPC 1405
494
     2395
             SPC 1502 = SPC 1503 +SPC 1504 + SPC 1505
     2396
            SPC 1602 = SPC 1603 +SPC 1604 + SPC 1605
495
496
     2397
             SPC 110 = SPC 111 + SPC 115 + SPC 116 + SPC 117 + SPC 118
      2398
             SPC 210 = SPC 211 +SPC 215 + SPC 216 + SPC 217 + SPC 218
497
498
     2399
             SPC 310 = SPC 311 +SPC 315 + SPC 316 + SPC 317 + SPC 318
499
     2400
            SPC 410 = SPC 411 +SPC 415 + SPC 416 + SPC 417 + SPC 418
500
     2401
             SPC 510 = SPC 511 +SPC 515 + SPC 516 + SPC 517 + SPC 518
501
     2402
            SPC 710 = SPC 711 + SPC 715 + SPC 716 + SPC 717 + SPC 718
     2403
502
            SPC 810 = SPC 811 +SPC 815 + SPC 816 + SPC 817 + SPC 818
     2404
            SPC 910 = SPC 911 +SPC 915 + SPC 916 + SPC 917 + SPC 918
503
504
     2405
            SPC 1010 = SPC 1011 +SPC 1015 + SPC 1016 + SPC 1017 + SPC 1018
     2406
            SPC 1110 = SPC 1111 +SPC 1115 + SPC 1116 + SPC 1117 + SPC 1118
505
     2407
             SPC 1210 = SPC 1211 +SPC 1215 + SPC 1216 + SPC 1217 + SPC 1218
506
507
     2408
             SPC 1310 = SPC 1311 +SPC 1315 + SPC 1316 + SPC 1317 + SPC 1318
508
     2409
             SPC 1410 = SPC 1411 +SPC 1415 + SPC 1416 + SPC 1417 + SPC 1418
     2410
             SPC 1510 = SPC 1511 +SPC 1515 + SPC 1516 + SPC 1517 + SPC 1518
509
510
     2411
             SPC 1610 = SPC 1611 +SPC 1615 + SPC 1616 + SPC 1617 + SPC 1618
511
      2412
             SPC 111 = SPC 112 + SPC 113 + SPC 114
512
     2413
             SPC 211 = SPC 212 + SPC 213 + SPC 214
513
     2414
            SPC 311 = SPC 312 +SPC 313 + SPC 314
514
     2415
             SPC 411 = SPC 412 +SPC 413 + SPC 414
515
     2416 SPC 511 = SPC 512 + SPC 513 + SPC 514
     2417
            SPC 611 = SPC 612 +SPC 613 + SPC 614
516
517
     2418 SPC 711 = SPC 712 + SPC 713 + SPC 714
518
     2419
             SPC 811 = SPC 812 + SPC 813 + SPC 814
     2420
            SPC 911 = SPC 912 +SPC 913 + SPC 914
519
520
     2421
            SPC 1011 = SPC 1012 +SPC 1013 + SPC 1014
521
     2422
             SPC 1111 = SPC 1112 + SPC 1113 + SPC 1114
522
     2423
             SPC 1211 = SPC 1212 + SPC 1213 + SPC 1214
523
     2424
            SPC 1311 = SPC 1312 + SPC 1313 + SPC 1314
     2425
             SPC 1411 = SPC 1412 +SPC 1413 + SPC 1414
524
525
     2426
             SPC 1511 = SPC 1512 + SPC 1513 + SPC 1514
526
      2427
             SPC 1611 = SPC 1612 + SPC 1613 +SPC 1610
     2428
            SPC 119 = SPC 101 +SPC 110
527
528
     2429
             SPC 219 = SPC 201 +SPC 210
     2430
529
             SPC 319 = SPC 301 +SPC 310
            SPC 419 = SPC 401 +SPC 410
     2431
530
     2432
            SPC 519 = SPC 501 +SPC 510
531
532
     2433
             SPC 619 = SPC 601 +SPC 610
533
     2434
             SPC 719 = SPC 701 +SPC 710
     2435
            SPC 819 = SPC 801 +SPC 810
534
     2436
            SPC 919 = SPC 901 +SPC 910
535
     2437
             SPC 1019 = SPC 1001 +SPC 1010
537
     2438
             SPC 1119 = SPC 1101 +SPC 1110
538
     2439
             SPC 1219 = SPC 1201 +SPC 1210
539
     2440
             SPC 1319 = SPC 1301 +SPC 1310
      2441
540
             SPC 1419 = SPC 1401 +SPC 1410
      2442
             SPC 1519 = SPC 1501 +SPC 1510
541
542
     2443
             SPC 1619 = SPC 1601 + SPC 1610
543
      2444
             LBM (1) 101 = sum (102:109)
544
     2445
             LBM (1) 201 = sum (202:209)
     2446
             LBM (1) 301 = sum (302:309)
545
     2447
             LBM (1) 401 = sum (402:409)
546
```

```
2448
             LBM (1) 501 = sum (502:509)
547
548
      2449
             LBM (1) 601 = sum (602:609)
549
      2450
             LBM (1) 701 = sum (702: 709)
      2451
             LBM (1) 801 = sum (802:809)
550
551
      2452
             LBM (1) 901 = sum (902:909)
      2453
             LBM (1) 1001 = sum (1002:1009)
552
      2454
             LBM (1) 1101 = sum (1102:1109)
553
      2455
             LBM (1) 1201 = sum (1202:1209)
554
555
      2456
             LBM (1) 1301 = sum (1302:1309)
556
      2457
             LBM (1) 1401 = sum (1402:1409)
557
      2458
             LBM (1) 1501 = sum (1502 : 1509)
558
      2459
             LBM (1) 1601= sum(1602:1606)
559
      2460
             LBM (1) 110 = sum (111: 118)
      2461
             LBM (1) 210 = sum (211: 218)
560
      2462
561
             LBM (1) 310 = sum (311: 318)
      2463
             LBM (1) 410 = sum (411: 418)
562
563
      2464
             LBM (1) 510 = sum (511: 518)
      2465
             LBM (1) 610 = sum (611: 618)
564
565
      2466
             LBM (1) 710 = sum (711: 718)
      2467
566
             LBM (1) 810 = sum (811: 818)
567
      2468
             LBM (1) 910 = sum (911: 918)
568
      2469
             LBM (1) 1010 = sum (1011: 1018)
569
      2470
             LBM (1) 1110 = sum (1111: 1118)
570
      2471
             LBM (1) 1210 = sum (1211: 1218)
      2472
571
             LBM (1) 1310 = sum (1311: 1318)
572
      2473
             LBM (1) 1410 = sum (1411: 1418)
573
      2474
             LBM (1) 1510 = sum (1511: 1518)
      2475
             LBM (1) 1610 = sum(1611:1618)
574
575
      2476
             LBM (1) 119 = sum (120 : 127)
      2477
             LBM (1) 219 = sum (220 : 227)
577
      2478
             LBM (1) 319 = sum (320:327)
             LBM (1) 419 = sum (420 : 427)
578
      2479
      2480
             LBM (1) 519 = sum (520:527)
579
580
      2481
             LBM (1) 619 = sum (620:627)
581
      2482
             LBM (1) 719 = sum (720:727)
      2483
             LBM (1) 819 = sum (820:827)
582
583
      2484
             LBM (1) 919 = sum (920 : 927)
      2485
             LBM (1) 1019 = sum (1020:1027)
584
      2486
             LBM (1) 1119 = sum (1120:1127)
585
      2487
             LBM (1) 1219 = sum (1220 : 1227)
586
587
      2488
             LBM (1) 1319 = sum (1320 : 1327)
588
      2489
             LBM (1) 1419 = sum (1420 : 1427)
      2490
             LBM (1) 1519 = sum (1520 : 1527)
589
590
      2491
             LBM (1) 1619 = sum (1620: 1627)
      2492
             LBM (1) 137 = sum (138:145)
591
      2493
             LBM (1) 237= sum (238: 245)
592
593
      2494
             LBM (1) 337 = sum (338: 345)
594
      2495
             LBM (1) 437 = sum (438:445)
      2496
595
             LBM (1) 537 = sum (538 : 545)
      2497
596
             LBM (1) 637 = sum (638:645)
597
      2498
             LBM (1) 737 = sum (738: 745)
598
      2499
             LBM (1) 837 = sum (838:845)
599
      2500
             LBM (1) 937 = sum (938:945)
      2501
             LBM (1) 1037 = sum (1038: 1045)
600
601
      2502
             LBM (1) 1137 = sum (1138:1145)
```

```
602
     2503
            LBM (1) 1237= sum (1238: 1245)
603
     2504
            LBM (1) 1337 = sum (1338: 1345)
604
     2505
            LBM (1) 1437 = sum (1438: 1445)
605
     2506
            LBM (1) 1537 = sum (1538:1545)
     2507
606
            LBM (1) 1637 = sum (1638 : 1645)
607
     2508
            LBM (1) 146= sum (101 + 110 + 119)
608
     2509
            LBM (1) 246 = sum (201 + 210 + 219)
609
     2510
            LBM (1) 346 = 301 + 310 + 319 + 328
610
     2511
            LBM (1) 446 = sum (401 + 410 + 419 + 428)
611
     2512
            LBM (1) 546= sum (501 + 510 + 519)
     2513
612
            LBM (1) 646 = sum (601 + 610 + 619)
     2514
613
            LBM (1) 746 = sum (701 + 710 + 719)
614
     2515
            LBM (1) 846= sum (801 + 810 + 819)
     2516 LBM (1) 946 = sum (901 + 910 + 919)
615
     2517
            LBM (1) 1046 = sum (1001 + 1010 + 1019)
616
617
     2518
            LBM (1) 1146= sum (1101 + 1110 + 1119)
618
     2519
            LBM (1) 1246 = sum (1201 + 1210 + 1219)
     2520
619
            LBM (1) 1346 = sum (1301 + 1310 + 1319)
620
     2521
            LBM (1) 1446 = sum (1401 + 1410 + 1419 +1428)
     2522
621
            LBM (1) 1546 = sum (1501 + 1510 + 1519 +1528)
622
     2523
            LBM (1) 1646= sum (1601 + 1610 + 1619)
623
     2524
            LBM (1) 146 = 137
624
     2525
            LBM (1) 246 = 237
625
     2526
            LBM (1) 346 = 337
     2527
626
            LBM (1) 446 = 437
     2528
            LBM (1) 546 = 537
627
628
     2529
            LBM (1) 646 = 637
629
     2530
            LBM (1) 746 = 737
630
     2531
            LBM (1) 846 = 837
631
     2532
            LBM (1) 946 = 937
632
     2533
            LBM (1) 1046 = 1037
            LBM (1) 1146 = 1137
633
     2534
     2535
            LBM (1) 1246 = 1237
634
635
     2536
            LBM (1) 1346 = 1337
636
     2537
            LBM (1) 1446 = 1437
637
     2538
            LBM (1) 1546 = 1537
638
     2539
            LBM (1) 1646 = 1637
     2540
639
            LBM (1) 138 >= 102 + 111 + 120
     2541
            LBM (1) 238 >= 202 + 211 + 220
640
641
     2542
            LBM (1) 338 \ge 302 + 311 + 320 + 329
642
     2543
            LBM (1) 438>= 402 + 411 + 420 +429
     2544
643
            LBM (1) 538 >= 502 + 511 + 520
644
     2545
            LBM (1) 638 >= 602 + 611 +620
645
     2546
            LBM (1) 738>= 702 + 711 + 720
646
     2547
            LBM (1) 838>= 802 + 811 + 820
647
     2548
            LBM (1) 938 >= 902 + 911 + 920
648
     2549
            LBM (1) 1038>= 1002 + 1011 + 1020
     2550
649
            LBM (1) 1138 >= 1102 + 1111 + 1120
     2551
650
            LBM (1) 1238 >= 1202 + 1211 + 1220
     2552
651
            LBM (1) 1338 >= 1302 + 1311 + 1320
652
     2553
            DBM (1) 1145 <= 1109 + 1118 + 1127
653
     2554
            LBM (1) 1438 >= 1402 + 1411 + 1420 +1429
654
     2555
            LBM (1) 1538 >= 1502 + 1511 + 1520 + 1529
     2556
            LBM (1) 1638 >= 1602 + 1611 + 1620
655
656
     2557
            LBM (1) 145 <= 109 + 118 + 127
```

```
657
     2558
            LBM (1) 245 <= 209 + 218 + 227
658
     2559
            LBM (1) 345 <= 309 + 318 + 327 + 336
659
     2560
            LBM (1) 445 <= 409 + 418 + 427 + 436
660
     2561
            LBM (1) 545 <= 509 +511 + 527
     2562
            LBM (1) 745 <= 709 + 718 + 727
661
662
     2563
            LBM (1) 845 <= 809 + 818 + 827
663
     2564
            LBM (1) 945 <= 909 + 918 + 927
664
     2565
            LBM (1) 1045 <= 1009 + 1018 + 1027
     2566
665
            LBM (1) 1245 <= 1209 + 1218 + 1227
     2567
            LBM (1) 1345 <= 1309 + 1318 + 1327
666
            LBM (1) 1445 <= 1409 + 1418 + 1427 + 1436
     2568
667
     2569
            LBM (1) 1545 <= 1509 + 1518 + 1527 + 1536
668
669
     2570
            LBM (1) 1646 <= 1609 + 1618 + 1627
670
     2571
            LBM (3) 101 = sum (102 : 109)
671
     2572
            LBM (3) 201 = sum (202 : 209)
672
     2573
            LBM (3) 301 = sum (302 : 309)
673
     2574
            LBM (3) 401 = sum (402 : 409)
674
     2575
            LBM (3) 501 = sum (502 : 509)
     2576
675
            LBM (3) 601 = sum (602 : 609)
676
     2577
            LBM (3) 701 = sum (702 : 709)
677
     2578
            LBM (3) 801 = sum (802 : 809)
678
     2579
            LBM (3) 901 = sum (902 : 909)
679
     2580
            LBM (3) 1001 = sum (1002 : 1009)
680
     2581
            LBM (3) 1101 = sum (1102 : 1109)
681
     2582
            LBM (3) 1201 = sum (1202 : 1209)
     2583
682
            LBM (3) 1301 = sum (1302 : 1309)
683
     2584
            LBM (3) 1401 = sum (1402 : 1409)
684
     2585
            LBM (3) 1501 = sum (1502 : 1509)
     2586
            LBM (3) 1601 = sum (1602 : 1609)
685
686
     2587
            LBM (3) 110 = sum (111 : 118)
687
     2588
            LBM (3) 210 = sum (211 : 218)
     2589
            LBM (3) 310 = sum (311 : 318)
688
689
     2590
            LBM (3) 410 = sum (411 : 418)
690
     2591
            LBM (3) 510 = sum (511 : 518)
691
     2592
            LBM (3) 610 = sum (611:618)
     2593
692
            LBM (3) 710 = sum (711 : 718)
693
     2594
            LBM (3) 810 = sum (811 : 818)
694
     2595
            LBM (3) 910 = sum (911 : 918)
695
     2596
            LBM (3) 1010 = sum (1011 : 1018)
     2597
696
            LBM (3) 1110 = sum (1111 : 1118)
697
     2598
            LBM (3) 1210 = sum (1211 : 1218)
     2599
698
            LBM (3) 1310 = sum (1311 : 1318)
699
     2600
            LBM (3) 1410 = sum (1411 : 1418)
700
     2601
            LBM (3) 1510 = sum (1511 : 1518)
701
     2602
            LBM (3) 1610 = sum (1611 : 1618)
702
     2605
            LBM (3) 328 = sum (329 : 336)
703
     2607
            LBM (3) 428 = sum (429 : 436)
704
     2616
            LBM (3) 1428 = sum (1429 : 1436)
705
     2617
            LBM (3) 1528 = sum (1529 : 1536)
706
     2619
            LBM (3) 137 = sum (138 : 145)
     2620
707
            LBM (3) 237 = sum (238 : 245)
708
     2621
            LBM (3) 337 = sum (338 : 345)
709
     2622
            LBM (3) 437 = sum (438 : 445)
710
     2623
            LBM (3) 537 = sum (538 : 545)
711
     2624
            LBM (3) 637 = sum (638:645)
```

```
712
     2625
            LBM (3) 737 = sum (738:745)
713
     2626
            LBM (3) 837 = sum (838 : 845)
714
     2627
            LBM (3) 937 = sum (937 : 945)
715
     2628 LBM (3) 1037 = sum (1038 : 1045)
716
     2629
            LBM (3) 1137 = sum (1138 : 1145)
717
     2630
            LBM (3) 1237 = sum (1238 : 1245)
718
     2631
            LBM (3) 1337 = sum (1338 : 1345)
719
     2632
            LBM (3) 1437 = sum (1438 : 1445)
720
     2633
            LBM (3) 1537= sum (1538 : 1545)
721
     2634
            LBM (3) 1637 = sum (1638 : 1645)
722
     2635
            LBM (3) 146 = 101 + 110 + 119
     2636
723
            LBM (3) 246 = 201 + 210 + 219
724
     2637
            LBM (3) 346 = 301 + 310 + 319 + 328
725
     2638
            LBM (3) 446 = 401 + 410 + 419 + 428
726
     2639
            LBM (3) 546 = 501 + 510 + 519
727
     2640
            LBM (3) 646 = 601 + 610 + 619
728
     2641
            LBM (3) 746 = 701 + 710 + 719
729
     2642
            LBM (3) 846 = 801 + 810 + 819
     2643
730
            LBM (3) 946 = 901 + 910 + 919
731
     2644
            LBM (3) 1046 = 1001 + 1010 + 1019
732
     2645
            LBM (3) 1246 = 1201 + 1210 + 1219
     2646
733
            LBM (3) 1346 = 1301 + 1310 + 1319
734
     2647
            LBM (3) 1446 = 1401 + 1410 + 1419 + 1428
735
     2648
            LBM (3) 1546 = 1501 + 1510 + 1519+1528
     2649
736
            LBM (3) 1646 = 1601 + 1610 + 1619
     2650
            LBM (3) 146 = 137
737
738
     2651
            LBM (3) 246 = 237
739
     2652
            LBM (3) 346 = 337
740
     2653
            LBM (3) 446 = 437
741
     2654
            LBM (3) 646 = 637
742
     2655
            LBM (3) 746 = 737
     2656
            LBM (3) 846 = 837
743
744
     2657
            LBM (3) 946= 937
745
     2658
            LBM (3) 1046 = 1037
     2659
746
            LBM (3) 1146 = 1137
747
     2660
            LBM (3) 1246 = 1237
748
     2661
            LBM (3) 1346 = 1337
749
     2662
            LBM (3) 1446= 1437
750
     2663
            LBM (3) 1546 = 1537
     2664
751
            LBM (3) 1646 = 1637
752
     2665
            LBM (3) 138 > = 102 + 111 + 120
753
     2666
            LBM (3) 238 > = 202 + 211 + 220
754
     2667
            LBM (3) 338 > = 302 + 311 + 320 +329
755
     2668
            LBM (3) 438 > = 402 + 411 + 420 + 429
     2669
            LBM (3) 538 > = 502 + 511 + 520
757
     2670
            LBM (3) 638 > = 602 + 611 +620
758
     2671
            LBM (3) 738> = 702 + 711 + 720
759
     2672
            LBM (3) 838 > = 802 + 811 + 820
760
     2673
            LBM (3) 938 > = 902 + 911 + 920
761
     2674
            LBM (3) 1038 > = 1002 + 1011 + 1020
     2675
762
            LBM (3) 1138 > = 1102 + 1111 + 1120
763
     2676
            LBM (3) 1238 > = 1202 + 1211 + 1220
764
     2677
            LBM (3) 1338 > = 1302 + 1311 + 1320
765
     2678
            LBM (3) 1438 > = 1402 + 1411 + 1420 + 1429
766
     2679
            LBM (3) 1538> = 1502 + 1511 + 1520 + 1529
```

```
767
     2680
            LBM (3) 1638> = 1602 + 1611 + 1620
768
     2681
            LBM (3) 145 <= 109 + 118 + 127
769
     2682
            LBM (3) 245 <= 209 + 218 +227
770
     2683
            LBM (3) 345 <= 309 + 318 + 327 + 336
771
     2684
            LBM (3) 445 < = 409 + 418 + 427 + 436
772
     2685
            LBM (3) 545 < = 509 + 518 + 527
773
     2686
            LBM (3) 645 < = 609 + 618 + 627
774
     2687
            LBM (3) 745 <= 709 + 718 + 727
775
     2688
            LBM (3) 845 < = 809 + 818 + 827
     2689
            LBM (3) 945 <= 909 + 918 + 927
776
            LBM (3) 1045 < = 1009 + 1018 + 1027
777
     2690
778
     2691
            LBM (3) 1145 <= 1109 + 1118 + 1127
779
     2692
            LBM (3) 1245 < = 1209 + 1218 + 1227
     2693
            LBM (3) 1345 <= 1309 + 1318 + 1327
780
781
     2694
            LBM (3) 1445 <= 1409 + 1418 + 1427 + 1436
782
     2695
            LBM (3) 1545 <= 1509 + 1518 + 1527 + 1536
783
     2696
            LBM (3) 1645 < = 1609 + 1618 + 1627
     2697
            DBM (1) 103 = sum (104:109)
784
     2698
785
            DBM (1) 203 = sum (204:209)
786
     2699
            DBM (1) 403 = sum (404:409)
787
     2700
            DBM (1) 603 = sum (604:609)
788
     2701
            DBM (1) 703 = sum (704:709)
789
     2702
            DBM(1) 803= sum(804: 809)
     2703
790
            DBM (1) 903 = sum (904:909)
     2704
791
            DBM (1) 1003 = sum (1004:1009)
     2705
            DBM (1) 1103 = sum (1104:1109)
792
793
     2706
            DBM (1) 1203 = sum (1204:1209)
794
     2707
            DBM (1) 1303 = sum (1304:1309)
            DBM (1) 1403 = sum (1404:1409)
     2708
795
796
     2709
            DBM (1) 1503 = sum (1504:1509)
797
     2710
            DBM (1) 1603 = sum (1604:1609)
     2711
            DBM (1) 110 = sum (111:116)
798
799
     2712
            DBM (1) 210 = sum (211:216)
800
     2713
            DBM (1) 410 = sum (411:416)
801
     2714
            DBM (1) 610 = sum (611:616)
     2715
802
            DBM (1) 710 = sum (711:716)
            DBM (1) 810 = sum (811:816)
803
     2716
804
     2717
            DBM (1) 910 = sum (911:916)
805
     2718
            DBM (1) 1010 = sum (1011:1016)
     2719
            DBM (1) 1110 = sum (1111:1116)
806
807
     2720
            DBM (1) 1210 = sum (1211:1216)
            DBM (1) 1310 = sum (1311:1316)
808
     2721
809
     2722
            DBM (1) 1410 = sum (1411:1416)
810
     2723
            DBM (1) 1510 = sum (1511:1516)
811
     2724
            DBM (1) 1610 = sum (1611:1616)
812
     2725
            DBM (1) 117 = sum (118:123)
813
     2726
            DBM (1) 217 = sum (218:223)
     2727
814
            DBM (1) 317 = sum (418:423)
815
     2728
            DBM (1) 617 = sum (618:623)
816
     2729
            DBM (1) 717 = sum (718:723)
817
     2730
            DBM (1) 817 = sum (818:823)
818
     2731
            DBM (1) 917 = sum (918:923)
819
     2732
            DBM (1) 1017 = sum (1018: 1023)
820
     2733
            DBM (1) 1117 = sum (1118:1123)
821
     2734
            DBM (1) 1217= sum (1218:1223)
```

```
822
     2735
            DBM (1) 1317 = sum (1318:1323)
823
     2736
            DBM (1) 1417 = sum (1418: 1423)
824
     2737
            DBM (1) 1517= sum (1518:1523)
825
     2738
            DBM (1) 1617 = sum (1618:1623)
     2739
826
            DBM(1) 124 = 117
827
     2740
            DBM (1) 224 = 217
828
     2741
            DBM (1) 424 = 417
829
     2742
            DBM (1) 624 = 617
830
     2743
            DBM (1) 724 = 717
     2744
831
            DBM (1) 824 = 817
     2745
            DBM (1) 924 = 917
832
     2746
            DBM (1) 1024 = 1017
833
834
     2747
            DBM (1) 1124 = 1117
     2748
            DBM (1) 1224 = 1217
835
     2749
            DBM (1) 1324 = 1317
836
837
     2750
            DBM (1) 1424 = 1417
838
     2751
            DBM (1) 1524 = 1517
     2752
            DBM (1) 1624 = 1617
839
840
     2753
            DBM (1) 123 <= 109 + 116
     2754
841
            DBM (1) 223 <= 209 + 216
842
     2755
            DBM (1) 423 <= 409 + 416
843
     2756
            DBM (1) 623 <= 609 + 616
844
     2757
            DBM (1) 723 <= 709 + 716
845
     2758
            DBM (1) 823 <= 809 + 816
            DBM (1) 923 <= 909 + 916
846
     2759
            DBM (1) 1023 <= 1009 + 1016
847
     2760
848
     2761
            DBM (1) 1123 <= 1109 + 1116
849
     2762
            DBM (1) 1223 <= 1209 + 1216
850
     2763
            DBM (1) 1323 <= 1309 + 1316
851
     2764
            DBM (1) 1423 <= 1409 + 1416
852
     2765
            DBM (1) 1523 <= 1509 + 1516
     2766
853
            DBM (1) 1623 <= 1609 + 1616
     2767
            DBM (1) 118 >= 101 +102 + 104 +111
854
855
     2768
            DBM (1) 218 >= 201 + 202 + 204 +211
856
     2769
            DBM (1) 418 >= 401 + 402 + 404 + 411
857
     2770
            DBM (1) 618 >= 601 + 602 + 604 + 611
858
     2771
            DBM (1) 718 >=701 +702 + 704 +711
859
     2772
            DBM (1) 818 >= 801 +802 + 804 +811
     2773
            DBM (1) 918 >= 901 +902 + 904 +911
860
     2774
            DBM (1) 1018 >= 1001 + 1002 1004 +1011
861
862
     2775
            DBM (1) 1118 >= 1101 + 1102 +1104 +1111
863
     2776
            DBM (1) 1218 >= 1201 + 1202 +1204 +1211
864
     2777
            DBM (1) 1318 >= 1301 + 1302 +1304 +1311
865
     2778
            DBM (1) 1418 >= 1401 + 1402 + 1404 + 1411
     2779
            DBM (1) 1518 >= 1501 + 1502 +1504+1511
867
     2780
            DBM (1) 1618 >= 1601 + 1602 + 1604 + 1611
868
     2781
            DBM (3) 103 = sum (104:109)
869
     2782
            DBM (3) 203 = sum ( 204 : 209)
870
     2783
            DBM (3) 403 = sum (404:409)
            DBM (3) 603 = sum (604:609)
871
     2784
872
     2785
            DBM (3) 703 = sum (704:709)
873
     2786
            DBM (3) 803 = sum (804:809)
874
     2787
            DBM (3) 903 = sum (904:909)
875
     2788
            DBM (3) 1003 = sum (1004:1009)
876
     2789
            DBM (3) 1103 = sum (1104:1109)
```

```
2790
            DBM (3) 1203 = sum (1204:1209)
877
     2791
            DBM (3) 1303 = sum (1304:1309)
879
     2792
            DBM (3) 1403 = sum (1404:1409)
     2793
            DBM (3) 1503 = sum (1504: 1509)
880
     2794
881
            DBM (3) 1603 = sum (1604:1609)
882
     2795
            DBM (3) 110 = sum (111:116)
883
     2796
            DBM (3) 210 = sum (211:216)
884
     2797
            DBM (3) 410 = sum (411:416)
885
     2798
            DBM (3) 610 = sum (611:616)
     2799
886
            DBM (3) 710 = sum (711:716)
887
     2800
            DBM (3) 810 = sum (811:816)
     2801
            DBM (3) 910 = sum (911:916)
888
889
     2802
            DBM (3) 1010 = sum (1011:1016)
     2803
            DBM (3) 1110 = sum (1111:1116)
890
     2804
            DBM (3) 1310 = sum (1311:1316)
891
892
     2805
            DBM (3) 1410 = sum (1411:1416)
893
     2806
            DBM (3) 1510 = sum (1511:1516)
     2807
894
            DBM (3) 1610 = sum (1611:1616)
895
     2808
            DBM (3) 117 = sum (118:123)
     2809
896
            DBM (3) 217 = sum (218:223)
897
     2810
            DBM (3) 417 = sum (418:423)
898
     2811
            DBM (3) 617 = sum (618:623)
899
     2812
            DBM (3) 717 = sum (718:723)
900
     2813
            DBM (3) 817 = sum (818:823)
901
     2814
            DBM (3) 917 = sum (918:923)
     2815
            DBM (3) 1017 = sum (1018:1023)
902
903
     2816
            DBM (3) 1117 = sum (1118:1123)
904
     2817
            DBM (3) 1217 = sum (1218:1223)
            DBM (3) 1317 = sum (1318:1323)
905
     2818
906
     2819
            DBM (3) 1417 = sum (1418:1423)
907
     2820
            DBM (3) 1517 = sum (1518:1523)
     2821
            DBM (3) 1617 = sum (1618:1623)
908
     2822
            DBM (3) 124 = 117
909
910
     2823
            DBM (3) 224 = 217
911
     2824
            DBM (3) 424 = 417
     2825
912
            DBM (3) 624 =617
913
     2826
            DBM (3) 724 = 717
914
     2827
            DBM (3) 824 = 817
     2828
915
            DBM (3) 924 =917
            DBM (3) 1024 = 1017
916
     2829
917
     2831
            DBM (3) 1224 = 1217
            DBM (3) 1324 = 1317
918
     2832
919
     2833
            DBM (3) 1424 = 1417
920
     2834
            DBM (3) 1524 = 1517
921
     2835
            DBM (3) 1624 = 1617
922
     2836
            DBM (3) 123 < = 109 + 116
923
     2837
            DBM (3) 223 < = 209 + 216
     2838
924
            DBM (3) 423 < = 409 + 416
925
     2839
            DBM (3) 623 < = 609 + 616
926
     2840
            DBM (3) 723 < = 709 + 716
     2841
927
            DBM (3) 823 < = 809 + 816
928
     2842
            DBM (3) 923 < = 909 + 916
929
     2843
            DBM (3) 1023 < = 109 + 1016
     2844
930
            DBM (3) 1123 < = 1109 + 1116
931
     2845
            DBM (3) 1223< = 1209 + 1216
```

```
932
      2846
             DBM (3) 1323 < = 1309 + 1316
933
      2847
             DBM (3) 1423 < = 1409 + 1416
934
      2848
             DBM (3) 1523 < = 1509+ 1516
935
      2849
             DBM (3) 1623 < = 1609 + 1616
936
      2850
             DBM (3) 118 > = 101 + 102 + 104 + 111
937
      2851
             DBM (3) 218 > = 201 + 202 + 204 + 211
938
      2852
             DBM (3) 418 > = 401 + 402 + 404 + 411
939
      2853
             DBM (3) 618 > = 601 + 602 + 604 + 611
940
      2854
             DBM (3) 723 > = 701 + 702 + 704 + 711
941
      2855
             DBM (3) 823 > = 801 + 802 + 804 + 811
942
      2856
             DBM (3) 923 > = 901 + 902 + 904 + 911
      2857
943
             DBM (3) 1023> = 1001 + 1002 + 1004 + 1011
944
      2858
             DBM (3) 1123 > = 1101 + 1102 + 1104 +1111
      2859
945
             DBM (3) 1223 >= 1201 + 1202 + 1204 + 1211
      2860
             DBM (3) 1323 >= 1301 + 1302 + 1304 + 1311
946
947
      2861
             DBM (3) 1423 > = 1401 + 1402 + 1404 + 1411
948
      2862
             DBM (3) 1523 > = 1501 + 1502 + 1504 + 1511
949
      2863
             DBM (3) 1618 > = 1601 + 1602 + 1604 + 1611
950
      2932
             SPC 1711 = SPC 1712 +1713+ 1710
      2933
951
             SPC 1701 = SPC 1702 +1706+ 1707+1708+1709
952
      2934
             SPC 1702 = SPC 1703 +1704 + 1705
953
      2935
             SPC 1710 = SPC 1711 +1715+ 1716+1717+1718
954
      2964
             DS 101= sum(102:106)
955
      2965
             DS 107= sum(108:112)
      2966
             DS 113= sum(114:118)
956
957
      2967
             DS 119= 101+107+113
958
      2968
             DS 120= sum(121:125)
959
      2969
             DS 126= sum(127:131)
960
      2970
             DS 132= sum(133:137)
961
      2971
             DS 138= 120+126+132
962
      2972
             DS 201= sum(202:206)
963
      2973
             DS 207= sum(208:212)
      2974
964
             DS 213= sum(214:218)
965
      2975
             DS 219= 201+207+213
966
      2976
             DS 220= sum(221:225)
      2977
967
             DS 226= sum(227:231)
968
      2978
             DS 232= sum(233:237)
      2979
             DS 238= 220+226+232
969
970
      2980
             DS 301= sum( 302:306)
      2981
971
             DS 307= sum(308:312)
972
      2982
             DS 313= sum(314:318)
973
      2983
             DS 319= 301+307+313
974
      2984
             DS 320= sum(321:325)
      2985
975
             DS 326= sum(327:331)
976
      2986
             DS 332= sum(333:337)
977
      2987
             DS 338= 320+326+332
978
      2988
             DS 401= sum(402:406)
979
      2989
             DS 407= sum(408:412)
      2990
980
             DS 413= sum(414:418)
981
      2991
             DS 419= 401+407+413
982
      2992
             DS 420= sum(421:425)
983
      2993
             DS 426= sum(427:431)
984
      2994
             DS 432= sum(433:437)
985
      2995
             DS 438= 420+426+432
986
      2996
             DS 501= sum(502:506)
```

```
2997
             DS 507= sum(508:512)
 987
 988
      2998
             DS 513= sum(514:518)
 989
      2999 DS 519= 501+507+513
 990 4854 BS vs DBM (3) 745 +750 +764 = 1501 + 1502 + 1503 + 1510 +1601 + 1602 + 1603 + 1610 +1701+1702+1703 + 1710
 991
      4864 BS 422+423+424 +433 +622+623+624+433+633 = LBI sum(118:818)
 992 4866
             BS 412+612 <= SPC 101+201
 993 4867
             BS 413 + 613 + 438 + 638 + 439 + 639 <= SPC sum (301:901)
 994 4868 BS 414 + 614 + 438 + 638 + 439 + 639 <= SPC sum (1001:1201)
 995 4869 BS 415 + 615 + 438 + 638 + 439 + 639 <= SPC 1301+1401
 996 4870 BS 511 + 711 + 538 + 738 + 539 + 739 <= SPC 1501 + 1601+1701
 997 4871 BS 116 = SPC sum (110:1710)
998 4872 BS 417 + 617 = SPC 110 + 210
999
      4873 BS 418 + 618 = SPC sum (310:910)
1000 4874 BS 419 + 619 = SPC 1010 + 1110 + 1210
1001 4875 BS 420 + 620 = SPC 1310 + 1410
      4876 BS 516 + 716 = SPC 1510 + 1610 +1710
1002
1003
      4877 BS 110 + 137 + 138 = SPC sum (119:1719)
      4878
1004
             BS vs LBM (1) BS 422 = LBM1 101 + 110 + 201 + 210
1005
      4879
             BS vs LBM (1) BS 423 + 436 >= LBM1 601 + 610 + 701 + 710 + 801 + 810 + 901+ 910
1006
      4880
             BS vs LBM (1) BS 424 = LBM1 1001 + 1010 + 1101 + 1110 + 1201 + 1210
1007
      4881
             BS vs LBM (1) BS 425 = LBM1 1301 + 1310
1008
      4882
             BS vs LBM (1) BS 426 = LBM1 1401+ 1410
1009
      4883
             BS 506+521+537 = LBM1 1546+1646+1746
1010 4884
             BS 403 = LBM1 328
1011 4885 BS 403 + 406 + 437 > = LBM1 328 + 428
1012 4886 BS 423 + 436 > = LBM1 601 + 610 + 701 + 710 + 801 + 810
1013 4887
             BS 521+ 537 > = LBM1 1601 + 1610 +1701 + 1710
1014 4888 BS 406 = LBM1 446
1015 4889 BS 506 = LBM1 1528
1016
      4890 BS 203 + 206 +221 + 233 >= LBM1 sum (146 : 1746)
1017
      4891 BS 622 = LBM3 101 + 110 +201 + 210
1018 4892
             BS 624 = LBM3 1001 +1010 +1101 +1110 +1201 +1210
      4893
             BS 625 = LBM3 1301 + 1310
1019
1020
      4894
             BS 626 = LBM3 1401 +1410
1021
      4895
             BS 603 = LBM3 328
1022 4896
             BS 707 + 708 + 709 = LBM3 1528
1023 4897
             BS 706 + 721 + 737 = LBM3 1546 + 1646 + 1746
1024 4898
             BS 623 + 636 >= LBM3 601 +610 +701 +710 + 801 +810 + 901 + 910
1025 4899
             BS 721 +7367 >= LBM3 1701 +1710 + 1601 + 1610
1026 4900 BS 603 + 606 + 637 >= LBM3 328 + 428
1027
      4901
            BS 607 + 608 + 609 + 637 >= LBM3 428
1028 4904 606 = 425
1029 4905 BS 706 = LBM3 1528
      4906 BS 303 +306 + 321 +336 = LBM3 sum (146 : 1746)
1030
1031 4907
             BS 452 =DBM1 101 + 102 + +103 + 201 + 202 + 203
1032 4908
             BS(1) 453 = DBM (3) 601 + 602 + 603 + 701 + 702 + 703 + 801 + 802 + 803 + 901 + 902 + 903
1033
      4909
             BS 454 = DBM1 1001 +1002 + 1003 + 1101 + 1102 + 1103 + 1201 + 1202 +1203
1034
      4910
             BS 455 = DBM1 1301 + 1302 + 1303
      4911
1035
             BS 456 = DBM1 1401 + 1402 + 1403
      4912
1036
             BS 545 + 564 >= DBM1 1524
             BS 245 + 264 >= DBM1 424 + 1524
1037
      4913
1038 4914
             BS 452 <= DBM1 124 + 224
1039
      4915
             BS 445 <= DBM1 324 + 424
1040
      4916 BS 453 <= 524 + 624 + 724 +824 + 924
1041 4917
             BS 445 +464 <= DBM1 301 + 302 + 303 + 310 + 401 + 402 + 403 + 410
```

```
1042
      4918
              BS 453 + 464 >= DBM1 601 + 602 + 603 + 701 + 702 + 703 + 801 + 802 + 803 + 901 + 902 + 903
1043
       4919
              BS 652 = DBM3 101 +102 + 103 + 201 + 202 + 203
1044
      4920
              BS 653 = DBM3 601+ 602 + 603 + 701 + 702 + 703 + 801+ 802 + 803 + 901 + 902 + 903
      4921
              BS 654 = DBM (3) 1001 +1002 + 1003 + 1101 + 1102 + 1103 + 1201 + 1202 + 1203
1045
1046
       4922
              BS 655 = DBM (3) 1301 + 1302 + 1303
      4923
              BS 656 = DBM(3) 1401 + 1402 + 1403
1047
      4924
              BS 753 + 764 >= DBM(3) 1524
1048
1049
      4925
              BS 345 + 353 + 364 >= DBM(3) 424 + 524 + 624 + 724 + 824 + 924 + 1524
1050
      4926
              BS 652 <= DBM(3) 124 +224
1051
      4927
              BS 645 <= DBM(3) 324 + 424
1052
      4928
              BS 653 < = DBM (3) 524 + 624 + 724 + 824 + 924
1053
      4929
              BS 645 + 664 = DBM(3) 301 + 302 + 303 + 401 + 402 + 403
1054
      4930
              BS 653 + 654 \ge DBM(3) 601 + 602 + 603 + 702 + 702 + 703 + 801 + 802 + 803 + 901 + 902 + 903
      4931
1055
             BS 134= 234 + BS 334
      4932
             BS 234=BS 434 + BS 534
1056
      4933
              BS 334=BS 634 + BS 734
1057
1058
      4934
              BS 137=BS 237 + BS 337
1059
      4935
              BS 237=BS 437 + BS 537
1060
      4936
              BS 337=BS 637 + BS 737
1061
      4937
              BS 138=BS 238 + BS 338
1062
      4938
              BS 238=BS 438 + BS 538
1063
      4939
              BS 338=BS 638 + BS 738
1064
      4940
              BS 139=BS 239 + BS 339
1065
      4941
              BS 239=BS 439 + BS 539
      4942
1066
              BS 339=BS 639 +BS 739
1067
      4943
              BS 140=BS 240 + BS 340
1068
      4944
              BS 240=BS 440 +BS 550
1069
      4945
              BS 340=BS 640 + BS 740
1070
      4946
              BS 141=BS 241 + BS 341
1071
      4947
              BS 241=BS 441 + BS 551
1072
      4948
              BS 341=BS 641 + BS 741
1073
      4949
              BS 250=BS 450 + BS 550
      4950
1074
              BS 371=BS 671 + BS 771
1075
      4951
              BS 372=BS 672 + BS 772
1076
      4952
              LBM (1) 1701 = sum(1702:1706)
      4953
1077
              LBM (1) 1710 = sum(1711:1718)
1078
      4954
              LBM (1) 1719 =sum(1720:1727)
      4955
1079
              LBM(1) 328 = sum(329:336)
      4956
              LBM(1) 428=sum(429:436)
1080
1081
      4957
              LBM(1) 1428=sum(1429:1436)
1082
      4958
              LBM(1) 1528 =sum(1529:1536)
1083
      4959
              LBM (1) 1737 = sum (1738: 1745)
1084
      4960
              LBM (1) 1438 >= 1402 + 1411 + 1420 + 1429
      4961
              LBM (1) 1538 >= 1502 + 1511 + 1520 + 1529
1085
      4962
              LBM (1) 1638 >= 1602 + 1611 + 1620
1086
1087
      4963
              LBM (1) 1738 >= 1702 + 1711 + 1720
1088
      4964
              LBM(1) 1746 =1701 +1710 +1719
1089
       4965
              LBM(1) 1746 = 1737
      4967
1090
              LBM (3) 1701 = sum (1702 : 1709)
      4968
1091
              LBM (3) 1710 = sum(1711:1718)
1092
      4969
              LBM (3) 119 = sum( 120 : 127)
1093
       4970
              LBM (3) 219 = sum( 220 : 227)
1094
      4971
              LBM (3) 319 = sum( 320 : 327)
1095
      4972
              LBM (3) 419 = sum( 420 : 427)
1096
      4973
             LBM (3) 519 = sum( 520 : 527)
```

```
1097
      4974
             LBM (3) 619 = sum (620 :627)
1098
      4975
             LBM (3) 719 = sum (720:727)
1099
      4976
             LBM (3) 819 = sum (820 :827)
      4977
             LBM (3) 919 = sum (920:927)
1100
1101
      4978
             LBM (3) 1019 = sum (1020 :1027)
1102
      4979
             LBM (3) 1119 = sum (1120:1127)
1103
      4980
             LBM (3) 1219 = sum (1220 :1227)
1104
      4981
             LBM (3) 1319 = sum (1320 :1327)
1105
      4982
             LBM (3) 1419 = sum (1420 :1427)
1106 4983
             LBM (3) 1519 = sum (1520 :1527)
1107
      4984
             LBM (3) 1619 = sum (1620 :1627)
1108
      4985
             LBM (3) 1719 = sum (1720 :1727)
1109
      4987
             LBM (3) 1737 = sum (1738:1745)
      4988
1110
             LBM (3) 1146 = 1101 + 1110 + 1119
      4989
             LBM (3) 1746 = 1701 + 1710 + 1719
1111
1112
      4990
             LBM (3) 1746 = 1737
1113
      4991
             LBM (3) 546 = 537
1114
      4992
             LBM (3) 1738> = 1702 + 1711 + 1720
1115
      4993
             LBM (3) 1645 <= 1609 + 1618 + 1627
      4994
1116
             DBM (1) 303 = sum (304:309)
1117
      4995
             DBM (1) 310 = sum (311: 316)
1118
      4996
             DBM (1) 317 = sum (318: 323)
1119
      4997
             DBM (1) 324 = 301 + 302 + 303 + 310
1120
      4998
             DBM (1) 324 = 317
      5000
             DBM (1) 1703 = sum ( 1704: 1709)
1121
1122
      5001
             DBM (1) 1710 = sum (1711: 1716)
1123
      5002
             DBM (1) 1717 = sum (1718: 1723)
      5003
             DBM (1)1724 =1701 + 1702 + 1703 + 1710
1124
1125
      5004
             DBM (1) 1724 = 1717
1126
      5005
             DBM (1) 1723 < = 1709 + 1716
1127
      5006
             DBM (1) 503 = sum (504: 509)
1128
      5007
             DBM (1) 510 = sum (511: 516)
      5008
1129
             DBM (1) 517 = sum (518: 523)
1130
      5009
             DBM (1) 524 =501 + 502 + 503 +510
1131
      5010
             DBM (1) 524 = 517
      5011
1132
             DBM (1) 523 < = 509 + 516
1133
      5012
             DBM (1) 318 >= 301 +302 + 304 + 311
      5013
             DBM (1) 518 >= 501 + 502 + 504 + 511
1134
1135
      5014
             DBM (1)1718 >= 1701 + 1702 + 1704 + 1711
      5015
             DBM (3) 303= sum(304:309)
1136
1137
      5016
             DBM (3) 310 = sum(311:316)
1138
      5017
             DBM (3) 317 = sum(318:323)
1139
      5018
             DBM (3) 323 <= 309 + 316
      5019
             DBM (3) 318 >= 301 +302 + 304 + 311
1140
1141
      5020
             DBM (3) 324 = 317
1142
      5021
             DBM (3) 503= sum(504:509)
1143
      5022
             DBM (3) 510 = sum(511:516)
1144
      5023
             DBM (3) 517 = sum(518:523)
      5024
1145
             DBM (3) 523 <= 509 + 516
      5025
1146
             DBM (3) 518 >= 501 +502 + 504 + 511
1147
      5026
             DBM (3) 524 = 517
1148
      5027
             DBM (3) 1703= sum(1704:1709)
1149
      5028
             DBM (3) 1710 = sum( 1711:1716)
1150
      5029
             DBM (3) 1717 = sum(1718:1723)
1151
      5030
             DBM (3) 1723 <= 1709 + 1716
```

```
1152 5031 DBM (3) 1718 >= 1701 +1702 + 1704 + 1711

1153 5032 DBM (3) 524 = 517

1154 5033 SPC 1719 = SPC 1701 + SPC 1710

1155 5034 DS 520 = sum( 521: 525)

1156 5035 DS 526 = sum( 527: 531)

1157 5036 DS 532 = sum( 533: 537)

1158 5037 DS 538 = 520 +526 +532
```

## Appendix 2: Institutional Sectors

Main Sector	•		-
Government	Central Government	Central Government is legal entity established by political processes that have legislative, judicial, or executive authority over other institutional units within specific areas.	General Assembly, Ministries and their sections (departments), Courts, etc;
	Local Government	Local Government are units of legal entities, respectively municipalities established by political processes that have legislative, judicial, or executive authority over other institutional units.	Municipalities.
Financial Corporations	DC, ODC, OFC	The financial corporations sector consist of all resident corporations and quasi-corporations principally engaged in financial intermediation or in related auxiliary financial activities	Central bank, commercial banks, insurance companies, pension funds, and the rest of financial institutions.
Depository Corporations	Depository Corporations	-	-
	Central Bank	The central bank is the national financial institution that exercises control over key aspects of the financial system and carries out such activities as issuing currency, regulating money supply and credit, managing international reserves, transacting with the IMF, and providing credit to other depository corporations.	Central bank of the Republic of Kosovo (CBK)
	Other Depository Corporations (ODC)	The other depository corporations subsector consists of all resident financial corporations (except the central bank) and quasi-corporations that are mainly engaged in financial intermediation and that issue liabilities included in the national definition of broad money	Procredit Bank, Banka Ekonomike, Raiffeisen Bank, Bank for Business, NLB Prishtina, Banka Kombëtare Tregëtare, Komercijalna Banka, Türk Ekonomik Bankasi
Other Financial Corporations	Other Financial Corporations	-	-
	Other Financial Intermediaries (OFC)	The subsector of other financial intermediaries covers a diverse group of units constituting all financial corporations other than depository corporations, insurance corporations, pension funds, and financial auxiliaries.	FINCA, KEP, Gramen Trust, Agency for Finance in Kosovo, Cordaid, Besëlidhja Micro Finance, Kreditimi Rural i Kosovës, Kosinvest World Vision, Mështekna, Centro Laici Italiani per le Mission, START, Ballkanctie, Perspektiva 4, AgroBusinees Development Unit, Koosva Aid and development, Atlantic Capital Partners, Vllesa - Co, Crimson Finance Fund.
	Pension Funds	Pension funds are established to provide retirement benefits for specific groups of employees. Pension funds hold and invest assets of contributors to cover future pension payments. Governments	KPST, Sllovenian - Kosovar Pension Fund.

	Insurance Companies	sometimes organize pension plans for their employees, which are independent of the social security system. Pension plans can be established on a voluntary basis, or they can be compulsory with mandated contributions from the employee, employer, or both.  Insurance companies provide financial benefits to policyholders and their survivors in the event of accidents, illness, death, disasters, or incurrence of various business or personal expenses.  Insurance corporations invest premiums to build up portfolios of financial assets to be used to meet future claims.	Croatia Insurance, Dardania, Dukagjini, Insingu, Kosova e Re, Sigal-Drini, Sigkos, Sigma, Siguria, Elsig, Shoqata e Sigurimeve IAK, Fondi I Garancionit GFK, CIU, Dukagjini Life.
	Financial Auxiliaries	The financial auxiliary subsector includes financial corporations that engage in activities closely related to financial intermediation but do not act as intermediaries. Activities that are auxiliary to financial intermediation are performed, on a secondary basis, by traditional financial intermediaries or by financial auxiliaries that do not engage in raising funds or extending credit on their own account.	Exchange Bureaus: Agimi, Agoni, Ari, Beni, Euro, Euro Eki, Euro Exchange, Euro- Cufa, Gipa, Indriti, Monedha, Pikon, Prizreni, Valuta, Xeni, Ximi, E-Bani, Te Gazi, Pëllumbi, Hamza, Veli, Mena.  Money Transfer Agencies: DMTH, KLM Enterprises, PCB Western Union, RZBK Western Union, Union Financiar Prishtina, E&S Efikasiteti Siguria Llc. Other Financial Auxiliaries: Guarantee Fund, Slovenian- Kosovar Fund - Assets Manager.
Nonfinancial corporations	Public owned	Nonfinancial corporations are legal entities engaged in economic activities and transactions in their own rights. Such units are responsible and accountable for the economic decisions or	PTK, KEK, Termokos, Batllava, International Pristhina Airport, etc.
	Social owned	actions they take.	-
	Private owned	•	All private nonfinancial business entities which are incorporated.
Households	-	A household may consist of an individual or more than one person. Persons constituting a single household own assets in common, assume liabilities on behalf of the whole household, and make collective decisions on expenditure.	Individuals and self employed persons running a non incorporated business
NPISH		Non-profit institutions serving households (NPISH) are legal or social entities created for the purpose of producing goods and services, but whose status does not permit them to be a source of income, profit, or other financial gain for the units that establish, control, or finance them.	NGOs, charitable institutions, mosques, churches, etc.
Nonresidents	-	Nonresident sub-sector consists of nonresident institutional units (corporation or household) that enter into transactions with resident units, or have other economic links with resident units.	UNMIK, EULEX, nonresident households, corporations, etc.

## Appendix 3: NACE Classification

Main				Sub-		Details
categor		4	A	category	4 4 4 4	
Agricult ure	A	Agricultu- re, forestry and fishing	A1	Crop and animal production, hunting. and related service activities	A1.1.1	Growing of cereals (except rice), leguminous crops, oil seeds, rice, vegetables, melons, roots, tubers, sugar cane, tobacco, fibre crops, non-perennial crops.
				activities	A1.2.1	Growing of grapes, tropical and subtropical fruits, citrus fruits, pome fruits, stone fruits, other tree, bush fruits and nuts, oleaginous fruits, beverage crops, spices, aromatic, drug, pharmaceutical crops, perennial crops, tropical, subtropical fruits, pome fruits, stone fruits, tree, bush fruits, nuts, oleaginous fruits, beverage crops, spices, aromatic, drug and pharmaceutical crops, of other perennial crops.
					A1.3.0	Plant propagation.
					A1.4.1	Rising of dairy cattle, buffaloes, horses, other equines, camels, camelids, sheep, goats, swine, pigs, poultry and other animals.
					A1.5.0	Mixed farming.
					A1.6.1	Support activities for crop production, support activities for animal production, post-harvest crop activities, seed processing for propagation.
					A1.7.0	Hunting, trapping and related service activities.
			A2	Forestry and logging	A2.1.0	Silviculture and other forestry activities.
					A2.2.0	Logging
					A2.3.0	Gathering of wild growing non-wood products.
					A2.4.0	Support services to forestry
			A3	Fishing and aquaculture	A3.1.1	Marine fishing and freshwater fishing.
7.1	_	35		26.	A3.2.1	Marine aquaculture and freshwater aquaculture.
Industry	В	Mining and quarrying	<b>B5</b>	Mining and quarrying	B5.1.0	Mining of hard coal.
					B5.2.0	Mining of lignite.
			B6	Extraction of crude petroleum and natural gas	B6.1.0	Extraction of crude petroleum.
					B6.2.0	Extraction of natural gas.
			B7	Mining of metal ores	B7.1.0	Mining of iron ores.
					B7.2.1	Mining of uranium and thorium ores.
					B7.2.9	Mining of other non-ferrous metal ores.
			B8	Other mining and quarrying	B8.1.1	Quarrying of ornamental, building stone, limestone, gypsum, chalk, slate, operation of gravel and sand pits, mining of clays and kaolin.
					B8.9.1	Mining of chemical, fertilizer minerals, extraction of peat, salt other mining and quarrying n.e.c.

			В9	Mining support service activities	B9.1.0	Support activities for petroleum and natural gas extraction.
				activities	B9.9.0	Support activities for other mining and quarrying.
Industry	C	Manufactu ring	C10	Manufacturing of food products	C10.1.1	Processing and preserving of meat, processing, preserving of poultry meat, production of meat and poultry meat products.
					C10.2.0	Processing, preserving of fish, crustaceans and molluscs.
					C10.3.1	Processing, manufacture of fruit, vegetable juice, other processing preserving of fruit, potatoes and vegetables.
					C10.4.1	Manufacture of oils, fats, margarine and similar edible fats.
					C10.5.1	Operation of dairies, cheese making and manufacture of ice cream.
					C10.6.1	Manufacture of grain mill products, starches and starch products.
					C10.7.1	Manufacture of bread, fresh pastry goods and cakes, rusks biscuits, manufacture of preserved pastry goods, cakes, manufacture of macaroni, noodles, couscous and similar farinaceous products.
					C10.8.1	Manufacture of sugar, cocoa, chocolate, sugar confectionery, processing of tea, coffee, condiments, seasonings, prepared meals, dishes, homogenised food preparations, dietetic food and other food products n.e.c.
					C10.9.1	Manufacture of prepared feeds for farm animals and prepared pet foods.
			C11	Manufacture of beverages	C11.0.1	Distilling, rectifying and blending of spirits, of wine from grape, cider, ther fruit wines, manufacture of other non-distilled fermented beverages, beer, malt, soft drinks, production of mineral waters and other bottled waters.
			C12	Manufacture of tobacco products	C12.0.0	Manufacture of tobacco products.
				produces	C13.1.0	Preparation and spinning of textile fibres.
					C13.2.0	Weaving of textiles.
					C13.3.0	Finishing of textiles.
					C13.9.1	Manufacture of knitted, crocheted fabrics, made-up textile articles, except apparel, carpets, rugs,cordage, rope, twine, netting, non-wovens, articles made from non-wovens, except apparel, other technical, industrial textiles and other textiles n.e.c.
			C14	Manufacture of wearing apparel	C14.1.1	Manufacture of leather clothes, workwear, other outerwear, underwear, other wearing apparel and accessories.
					C14.2.0	Manufacture of articles of fur.
					C14.3.1	Manufacture of knitted, crocheted hosiery, other knitted and crocheted apparel.
			C15	Manufacture of leather and related products	C15.1.1	Tanning and dressing of leather, dressing, dyeing of fur, luggage, handbags, saddler, harness and the like.
				F	C15.2.0	Manufacture of footwear.
			C16	Manufacture	C16.1.0	Sawmilling and planning of wood.

	of wood and of products of wood and cork, except furniture; manufacture of articles of cork, straw and plaiting materials	C16.2.1	Manufacture of veneer sheets and wood- based panels, assembled parquet floors, other builders' carpentry, joinery, wooden containers, other products of wood, articles of cork, straw and plaiting materials.
C17	Manufacture of paper and paper products	C17.1.1	Manufacture of pulp, paper and paperboard, household, sanitary goods toilet requisites, paper stationery, wallpaper, other articles of paper and paperboard.
C18	Printing and reproduction of recorded media	C18.1.1	Printing of newspapers, other printing, pre-press, pre-media services, binding and related services.
		C18.2.0	Reproduction of recorded media.
C19	Manufacture of coke and refined petroleum products	C19.1.0	Manufacture of coke oven products.
		C19.2.0	Manufacture of refined petroleum products.
C20	Manufacture of chemicals and chemical products	C20.1.1	Manufacture of industrial gases, dyes, pigments, other inorganic basic chemicals, other organic, fertilisers, nitrogen compounds, plastics in primary forms, synthetic rubber in primary forms.
		C20.2.0	Manufacture of pesticides and other agrochemical products.
		C20.3.0	Manufacture of paints, varnishes, similar coatings, printing ink and mastics.
		C20.4.1	Manufacture of soap, detergents, cleaning, polishing preparations, perfumes and toilet preparations.
		C20.5.1	Manufacture of explosives, glues, essential oils, and other chemical products n.e.c.
		C20.6.0	Manufacture of man-made fibres.
C21	Manufacture of basic pharmaceutica l products and pharmaceutica l preparations	C21.1.0	Manufacture of basic pharmaceutical products.
Gaa	75	C21.2.0	Manufacture of pharmaceutical preparations.
C22	Manufacture of rubber and plastic products	C22.1.1	Manufacture of rubber tyres and tubes, retreading, rebuilding of rubber tyres and other rubber products.
		C22.2.1	Manufacture of plastic plates, sheets, tubes, profiles, plastic packing goods, builders' ware of plastic and other plastic products.
C23	Manufacture of other non- metallic mineral products	C23.1.1	Manufacture of flat glass, shaping, processing of flat glass, hollow glass, glass fibres and including technical glassware.
		C23.2.0	Manufacture of refractory products.
		C23.3.1	Manufacture of ceramic tiles, flags, bricks, tiles and construction products, in baked clay.

C23.4.1   Manufacture of ceramic household, ornamental articles, ceramic sanitary fixtures, ceramic insulators, insulating fittings and other technical ceramic products.   Manufacture of concrete products for construction purposes, plaster products, other non-metallic mineral products, considering of ferro-alloys.				
fixtures, ceramic insulators, insulating fixtures titings and other technical ceramic products.  C23.5.1 Manufacture of comertet products for construction purposes, plaster products for concerte, mortars, other articles of concrete, mortars, other articles of concrete, plaster and cement.  C23.7.0 C23.9.1 Production of abrasive products, other non-metallic mineral products n.e.c.  Manufacture of basic mon. Steel and of ferro-alloys.  C24.2.0 Manufacture of tubes, pipes, hollow profiles, related fittings and steel.  C24.3.1 Cold drawing of bars, cold rolling of narrow strip, cold forming or folding and cold drawing of wire.  C24.4.1 Precious metals production, aluminium production, lead, zinc and tin production, copper production, other non-ferrous metal production, processing of nuclear fuel.  C24.5.1 Casting of iron, steel, light metals, and other non-ferrous metals.  C25.4.0 Manufacture of metal structures, parts of structures, doors and windows of metal.  C25.3.0 Manufacture of metal structures, parts of structures, doors and windows of metal.  C25.4.0 Manufacture of steem generators, except central heating radiators and boilers, other tanks, reservoirs and containers of metal.  C25.4.0 Manufacture of steem generators, except central heating hot water boilers.  C25.4.1 Treatment, coating of metals and machining.  C25.5.1 Manufacture of steel drums, similar containers, light metal packaging, wire products, chain, springs, fasteners, screw machine products n.e.c.  Manufacture of computers and other fabricated metal products n.e.c.  Manufacture of computers and peripheral equipment.  C26.3.0 Manufacture of computers and peripheral equipment.  C26.4.0 Manufacture of communication equipment.  C26.4.1 Manufacture of consumer electronics.  Manufacture of instruments, appliances for measuring, testing, navigation,			C23.4.1	Manufacture of ceramic household,
fittings and other technical ceramic products.  C23.5.1 Manufacture of concrete products for construction purposes, plaster products for construction purposes, ready-mixed concrete, mortars, other articles of contrast near articles				,
C23.5.1 Manufacture of cement, lime and plaster.  Manufacture of concrete products for construction purposes, plaster products for construction purposes, plaster products for concrete, mortars, other articles of concrete, plaster and cement.  C23.7.0 Cutting, shaping and finishing of stone.  Production of abrasive products, other non-metallic mineral products, etc.  Manufacture of basic metals  C24.2.0 Manufacture of tubes, pipes, hollow profiles, related fittings and steel.  C24.3.1 Cold drawing of bars, cold rolling of narrow strip, cold forming or folding and cold drawing of wire.  C24.4.1 Precious metals production, aluminium production, copper production, other non-ferrous metal products, except machinery and equipment.  C25.1 Casting of iron, steel, light metals, and other non-ferrous metals.  C25.2.1 Manufacture of metal structures, parts of structures, doors and windows of metal.  C25.3.0 Manufacture of steam generators, except central heating hot water boilers.  C25.4.0 Manufacture of steam generators, except central heating hot water boilers.  C25.6.1 Treatment, coating of metals and machining.  C25.6.1 Treatment, coating of metals and machining.  C35.6.1 Manufacture of cuttery, locks, hinges and manufacture of tools.  C26.1 Manufacture of steel drums, similar containers, light metal packaging, wire products, nation, springs, fasteners, screw machine products and other fabricated metal products n.e.e.  Manufacture of computers and peripheral equipment.  C26.2.0 Manufacture of computers and peripheral equipment.  C26.3.0 Manufacture of communication equipment.  C26.4.0 Manufacture of communication equipment.  C26.4.0 Manufacture of instruments, appliances for measuring, testing, navigation,				
C23.6.1  Manufacture of concrete products for construction purposes, plaster products for concrete, plaster and cement.  C23.7.0  C24.9.1  Production of abrasive products, other non-metallic mineral products n.e.c.  Manufacture of basic intensity products, plaster products n.e.c.  C24.1.0  Manufacture of tubes, pipes, hollow profiles, related fittings and steel.  C24.1.1  Cold drawing of bars, cold rolling of hardward production, copper production, other non-ferrous metal production, processing of nuclear fuel.  C24.5.1  Casting of iron, steel, light metals, and other non-ferrous metals.  C25.1  Manufacture of metal structures, parts of structures, doors and windows of metal.  C25.1  Manufacture of metal.  C25.2.1  Manufacture of steam generators, except central heating hot water boilers.  C25.4.0  Manufacture of steam generators, except central heating hot water boilers.  C25.5.0  Forging, pressing, stamping, roll-forming of metal and powder metallurgy.  C25.6.1  Treatment, coating of metals and machining.  C25.7.1  Manufacture of cutlery, locks, hinges and manufacture of tools.  Manufacture of steel drums, similar containers, light metal packaging, wire products, chain, springs, fasteners, screw machine products and other fabricated metal products n.e.c.  Manufacture of computers and peripheral equipment.  C26.3.0  Manufacture of communication equipment.  C26.4.0  Manufacture of communication equipment.  Manufacture of instruments, appliances for measuring, testing, navigation,				_
construction purposes, plaster products for construction purposes, ready-mixed concrete, mortars, other articles of concrete, plaster and cement.  C23.7.0  C23.9.1  Production of abrasive products, other non-metallic mineral products n.e.c.  Manufacture of basic metals  C24.2.0  Manufacture of basic iron, steel and of ferro-alloys.  C24.3.1  C34.1  C35.1  C35.1  C35.1  C35.2  Manufacture of interval production, aluminium production, processing of nuclear fuel.  C35.1  C35.1  C35.1  C35.1  C35.2  Manufacture of metal structures, parts of structures, doors and windows of metal.  C35.2  Manufacture of metal structures, parts of structures of metal structures, and boilers, other tanks, reservoirs and containers of metal.  C35.2  Manufacture of steam generators, except central heating radiators and boilers, other tanks, reservoirs and containers of metal.  C35.1  Manufacture of steam generators, except central heating radiators and boilers, other tanks, reservoirs and containers of metal.  C35.1  Manufacture of steam generators, except central heating radiators and boilers, other tanks, reservoirs and containers of metal.  C35.1  Manufacture of steam generators, except central heating radiators and boilers, other tanks, reservoirs and containers, light pot water boilers.  C35.1  Manufacture of steam generators, except central heating radiators and boilers, other tanks, reservoirs and containers, light pot water boilers.  C35.1  Manufacture of steam generators, except central heating radiators and boilers, other tanks, reservoirs and containers, light pot water boilers.  C35.1  Manufacture of contral heating radiators and boilers, stamping, roll-forming of metal and powder metallurgy.  C35.1  Manufacture of cothery, locks, hinges and machining.  Manufacture of tools.  C35.1  Manufacture of computer, electronic			C23.5.1	-
C23.7.0   Cutting, shaping and finishing of stone.   C23.9.1   Production of abrasive products, other non-metallic mineral products n.e.c.   C24.10   Manufacture of basic metals   C24.10   Manufacture of basic iron, steel and of ferro-alloys.   C24.3.1   Cold drawing of bars, cold rolling of narrow strip, cold forming or folding and cold drawing of wire.   C24.4.1   Precious metals production, aluminium production, lead, zinc and tin production, copper production, other non-ferrous metal products, processing of nuclear fuel.   C24.5.1   Casting of iron, steel, light metals, and other non-ferrous metals products, except machinery and equipment.   C25.1.1   Manufacture of metal structures, parts of structures, doors and windows of metal.   C25.2.1   Manufacture of central heating radiators and boilers, other tanks, reservoirs and containers of metal.   C25.4.0   Manufacture of steam generators, except central heating hot water boilers.   C25.4.0   Manufacture of weapons and ammunition.   C25.5.1   Forging, pressing, stamping, roll-forming of metal and powder metallurgy.   C25.6.1   Treatment, coating of metals and machining.   C25.7   Manufacture of cutlery, locks, hinges and manufacture of tools.   C26.1   Manufacture of computer, electronic and optical products   C26.1   Manufacture of computers and loaded electronic boards.   C26.1   Manufacture of computers and peripheral equipment.   C26.1   Manufacture of computers and peripheral equipment.   C26.1   Manufacture of consumer electronics.   C26.2   Manufacture of consumer electronics of or measuring, testing, navigation,			C23.6.1	Manufacture of concrete products for
C23.7.0  C23.7.1  C24. Manufacture of basic metals  C24.2.0  Manufacture of basic metals  C24.2.1  C24.3.1  C24.3.1  C24.3.1  C24.3.1  C24.3.1  C24.3.1  C24.4.1  C24.3.1  C24.4.1  C24.4.1  C24.4.1  C24.3.1  C24.3.1  C24.3.1  C24.4.1  C24.3.1  C24.4.1  C24.3.1  C24.4.1  C24.3.1  C24.3.1  C24.3.1  C24.4.1  C24.3.1  C24.4.1  C24.4.1  C24.3.1  C24.4.1  C24.3.1  C24.3.1  C24.3.1  C24.4.1  C24.4.1  C24.3.1  C24.4.1  C25.4.1  C26.4.1  C26.4.1  C26				
C23.9.1 Concrete, plaster and cement. Cutting, shaping and finishing of stone. Production of abrasive products, other non-metallic mineral products n.e.c.  C24.1.0 Manufacture of basic iron, steel and of ferro-alloys.  C24.2.1 Manufacture of tubes, pipes, hollow profiles, related fittings and steel.  C24.3.1 Cold drawing of bars, cold rolling of narrow strip, cold forming or folding and cold drawing of wire.  Precious metals production, aluminium production, lead, zinc and tin production, copper production, other non-ferrous metals production, processing of nuclear fuel.  C24.5.1 Casting of iron, steel, light metals, and other non-ferrous metals.  C25.1.1 Manufacture of metal structures, parts of structures, doors and windows of metal.  C25.2.1 Manufacture of central heating radiators and boilers, other tanks, reservoirs and containers of metal.  C25.4.0 Manufacture of steam generators, except central heating hot water boilers.  C25.4.0 Manufacture of veapons and ammunition.  C25.5.0 Forging, pressing, stamping, roll-forming of metal and powder metallurgy.  C25.6.1 Treatment, coating of metals and machining.  C25.7.1 Manufacture of cutlery, locks, hinges and manufacture of tools.  C25.9.1 Manufacture of cutlery, locks, hinges and manufacture of computer, electronic and optical products  C26.1.1 Manufacture of computers and peripheral equipment.  C26.2.0 Manufacture of computers and peripheral equipment.  C26.3.0 Manufacture of communication equipment.  Manufacture of communication.  C26.4.0 Manufacture of consumer electronics.  Manufacture of consumer electronics.  Manufacture of consumer electronics.				, ,
C23.9.1 Cutting, shaping and finishing of stone. C23.9.1 Production of abrasive products, other non-metallic mineral products n.e.c. C24.2.0 Manufacture of basic metals C24.2.0 Manufacture of tubes, pipes, hollow profiles, related fittings and steel. C24.3.1 Cold drawing of bars, cold rolling of narrow strip, cold forming or folding and cold drawing of wire. C24.4.1 Precious metals production, aluminium production, lead, zinc and tin production, copper production, other non-ferrous metal production, processing of nuclear fuel. C24.5.1 Casting of iron, steel, light metals, and other non-ferrous metals. C25.1 Manufacture of fabricated metal products, except machinery and equipment.  C25.1 Manufacture of metal structures, parts of structures, doors and windows of metal.  C25.1 Manufacture of steam generators, except central heating hot water boilers.  C25.4.0 Manufacture of steam generators, except central heating hot water boilers.  C25.4.0 Manufacture of weapons and ammunition. C25.5.1 Forging, pressing, stamping, roll-forming of metal and powder metallurgy. C25.6.1 Treatment, coating of metals and manufacture of cutlery, locks, hinges and manufacture of steel drums, similar containers, light metal packaging, wire products, chain, springs, fasteners, screw machine products and other fabricated metal products nece.  C26.20 Manufacture of computers and peripheral equipment.  C26.4.0 Manufacture of consumer electronics.  Manufacture of consumer electronics.  Manufacture of consumer electronics.  Manufacture of consumer electronics.				
C24			C23.7.0	
C24			C23 9 1	5, 1 5
C24.1.0   Manufacture of basic iron, steel and of ferro-alloys.			020.0.1	
C24.2.0 Manufacture of tubes, pipes, hollow profiles, related fittings and steel.  C24.3.1 Cold drawing of bars, cold rolling of narrow strip, cold forming or folding and cold drawing of wire.  C24.4.1 Precious metals production, aluminium production, processing of nuclear fuel.  C24.5.1 Casting of iron, steel, light metals, and other non-ferrous metal products, except machinery and equipment.  C25.3.0 Manufacture of central heating radiators and boilers, other tanks, reservoirs and containers of metal.  C25.4.0 Manufacture of steam generators, except central heating hot water boilers.  C25.4.0 Manufacture of wapons and ammunition.  C25.5.0 Forging, pressing, stamping, roll-forming of metal and powder metallurgy.  C25.1 Treatment, coating of metals and machining.  C25.1 Manufacture of steel drums, similar containers, light metal packaging, wire products, chain, springs, fasteners, screw machine products and other fabricated metal products and other fabricated metal products and other fabricated metal products nece.  C26.1 Manufacture of computers and peripheral equipment.  C26.3.0 Manufacture of communication equipment.  C36.4.0 Manufacture of consumer electronics.  C36.5 Manufacture of consumer electronics.	C24	Manufacture	C24.1.0	Manufacture of basic iron, steel and of
C24.3.1   Cold drawing of bars, cold rolling and cold drawing of wire.		of basic metals		ferro-alloys.
C24.4.1  C25.1  C25.1  C25.1  C25.1  C25.1  C25.1  C25.1  Manufacture of central heating radiators and boilers, other tanks, reservoirs and containers of metal.  C25.3.0  C25.4.0  C25.4.0  C25.4.0  C25.4.0  C25.5.0  C25.4.0  C25.5.0  C25.4.0  C25.5.0  C25.4.0  C25.5.1  C25.4.0  C25.5.0  C25.4.0  C25.5.0  C25.4.0  C26.6.1  C26.3.0  C26.3.0  C26.3.0  C26.3.0  C26.3.0  C26.3.0  C26.4.0  Manufacture of computers and peripheral equipment.  C26.4.0  Manufacture of consumer electronics.  C26.4.0  Manufacture of consumer electronics.			C24.2.0	
C24.4.1  C24.4.1  C24.4.1  C24.4.1  C24.5.1  C24.5.1  C24.5.1  C25  Manufacture of fabricated metal products, except machinery and equipment.  C25.4.0  C25.5.0  C25.6.1  C25.6.1  C26.6.1  C26.1.1  Manufacture of cutlery, locks, hinges and manufacture of toellar metal products, chain, springs, fasteners, screw machine products, and optical products  C26.3.0  Manufacture of computer, electronic and optical products  C26.3.0  Manufacture of computers and loaded electronic components and loaded electronic boards.  C26.4.0  Manufacture of computers and peripheral equipment.  C26.4.0  Manufacture of communication equipment.  Manufacture of consumer electronics.				
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C24.4.1  Precious metals production, aluminium production, copper production, other non-ferrous metal production, processing of nuclear fuel.  C24.5.1  C25 Manufacture of fabricated metal products, except machinery and equipment.  C25.2.1  C25.2.1  Manufacture of central heating radiators and boilers, other tanks, reservoirs and containers of metal.  C25.3.0  Manufacture of seam generators, except central heating hot water boilers.  C25.4.0  C25.6.1  Treatment, coating of metals and machining.  C25.7.1  Manufacture of cutlery, locks, hinges and manufacture of tools.  C25.9.1  Manufacture of steel drums, similar containers, light metal packaging, wire products, chain, springs, fasteners, screw machine products and other fabricated metal products  C26.3.0  Manufacture of computer, electronic and optical products  C26.4.0  Manufacture of computers and peripheral equipment.  Manufacture of communication equipment.  Manufacture of consumer electronics.  Manufacture of consumer electronics.  Manufacture of consumer electronics.  Manufacture of consumer electronics.				1, 0
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for measuring, testing, navigation,			C26.4.0	
for measuring, testing, navigation,			C26.5.1	Manufacture of instruments, appliances
watches and clocks.				
				watches and clocks.

C26.6.0  Manufacture of irradiation, electromedical and electrotherapeutic equipment.  C26.7.0  Manufacture of optical instruments and photographic equipment.  C26.8.0  Manufacture of magnetic and optical media.  C27.1.1  Manufacture of electric motors, generators and transformers, electricity distribution and control apparatus.  C27.2.0  Manufacture of batteries and accumulators.  C27.3.1  Manufacture of fibre optic cables, other electronic, electric wires and cables and wiring devices.  C27.4.0  Manufacture of electric lighting equipment.  C27.5.1  Manufacture of electric domestic appliances and non-electric domestic appliances.
C26.8.0   Photographic equipment.
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C27.5.1 Manufacture of electric domestic appliances and non-electric domestic appliances.
C27.9.0 Manufacture of other electrical equipment.
C28 Manufacture of machinery and equipment n.e.c.  Manufacture of engines, turbines, except aircraft, vehicle, cycle engines, fluid power equipment, other pumps, compressors, other taps, valves, bearings, gears, gearing and driving elements.
C28.2.1  Manufacture of ovens, furnace burners, lifting and handling equipment, office machinery, equipment (except computers and peripheral equipment), power-driven hand tools, non-domestic cooling, ventilation equipment, power-driven hand tools, other general-purpose machinery
C28.3.0 n.e.c. Manufacture of agricultural and forestry
C28.4.1 machinery.  Manufacture of metal forming machinery and other machine tools.
C28.9.1 Manufacture of machinery for metallurgy,
mining, quarrying, construction, manufacture of machinery for food, beverage, tobacco processing, machinery for textile, apparel, leather production, machinery for paper, paperboard production, plastics, rubber machinery and other special-purpose machinery n.e.c.
C29 Manufacture of motor vehicles, bodies (coachwork) for motor vehicles and trailers of motor vehicles and semi-trailers.  Manufacture of motor vehicles, bodies (coachwork) for motor vehicles and trailers and semi-trailers.
C29.2.0 Manufacture of bodies (coachwork) for motor vehicles, manufacture of trailers and semi-trailers.
Manufacture of electrical, electronic equipment for motor vehicles, other parts, accessories for motor vehicles, other parts and accessories for motor vehicles.
C30 Manufacture C30.1.1 Building of ships, floating structures, pleasure and supporting boats, manufacture of railway locomotives and rolling stock.
C30.2.0 Manufacture of railway locomotives and rolling stock.
C30.3.0 Manufacture of air, spacecraft and related
C30.4.0 machinery.  Manufacture of military fighting vehicles.

					C30.9.1	Manufacture of motorcycles, bicycles, invalid carriages and other transport equipment n.e.c.
			C31	Manufacture of furniture	C31.0.1	Manufacture of office shop furniture, manufacture of kitchen furniture, manufacture of mattresses, manufacture of other furniture.
			C32	Other manufacturing	C32.1.1	Striking of coins, manufacture of jewelry, related articles, imitation jewelry and related articles.
					C32.2.0	Manufacture of musical instruments.
					C32.3.0	Manufacture of sports goods.
					C32.4.0	Manufacture of games and toys.
					C32.5.0	Manufacture of medical and dental instruments and supplies.
					C32.9.1	Manufacture of brooms and brushes and other manufacturing n.e.c.
			C33	Repair and installation of machinery and equipment	C33.1.1	Repair of fabricated metal products, machinery, electronic, optical equipment, maintenance of ships, boats, maintenance of aircraft and spacecraft other transport equipment and repair of other equipment.
					C33.2.0	Installation of industrial machinery and equipment.
Industry	D	Electricity, gas, steam and air conditionin g supply	D35	Electricity, gas, steam and air conditioning supply	D35.1.1	Production of electricity, transmission of electricity and distribution of electricity.
					D35.2.1	Manufacture of gas, distribution of gaseous fuels through mains, trade of gas through mains.
		***	700	***	D35.3.0	Steam and air conditioning supply.
Industry	Е	Water supply, sewerage,w aste managmen t and remediatio n activities.	E36	Water collection,treat ment and supply	E36.0.0	Water collection, treatment and supply.
			E37	Sewerage	E37.0.0	Sewerage
			E38	Waste collection, treatment and disposal activities,mate rials recovery	E38.1.1	Collection of non-hazardous waste and collection of hazardous waste.
					E38.2.1	Treatment, disposal of non-hazardous waste, treatment and disposal of hazardous waste.
					E38.3.1	Dismantling of wrecks.
					E38.3.2	Recovery of sorted materials and recovery of sorted materials.
			E39	Remediation activities and other waste management services.	E39.0.0	Remediation activities and other waste management services.
Industry	F	Constructio	F41	Construction of buildings	F41.1.0	Development of building projects.
					F41.2.0	Construction of residential and non- residential buildings.

			F42	Civil engineering	F42.1.1	Construction of roads, railways and motorways, underground railways, bridges
				engmeering	F42.2.1	and tunnels.  Construction of utility projects for fluids,
					1 12.2.1	utility projects for electricity and telecommunications.
					F42.9.1	Construction of water projects, construction of other civil engineering projects n.e.c.
			F43	Specialised construction activities	F43.1.1	Demolition, site preparation, test drilling and boring.
					F43.2.1	Electrical installation, plumbing, heat and air-conditioning installation, other construction installation, building completion and finishing.
					F43.3.1	Plastering, joinery installation, floor, wall covering, painting, glazing, other building completion and finishing.
					F43.9.1	Roofing activities, other specialised construction activities n.e.c.
Services	G	Wholesale and retail trade,repai r of motor vehicles and motorcycle s.	G45	Wholesale and retail trade and repair of motor vehicles and motorcycles	G45.1.1	Sale of cars, light motor vehicles, sale of other motor vehicles.
					G45.2.0	Maintenance and repair of motor vehicles.
					G45.3.1	Wholesale trade of motor vehicle parts and accessories, retail trade of motor vehicle parts and accessories.
					G45.4.0	Sale, maintenance, repair of motorcycles, related parts and accessories.
			G46	Wholesale trade, except of motor vehicles and motorcycles	G46.1.1	Agents involved in the sale of agricultural raw materials, live animals, textile raw materials, semi-finished goods, agents involved in the sale of fuels, ores, metals, industrial chemicals, agents timber, machinery, building materials, industrial equipment, ships, aircraft, agents involved in the sale of furniture, household goods, hardware, ironmongery, agents involved in the sale of textiles, clothing, fur, footwear, leather goods, agents involved in the sale of food, beverages, tobacco, agents specialised in the sale of other particular products and agents involved in the sale of a variety of goods.
					G46.2.1	Wholesale of grain, unmanufactured, tobacco, seeds, animal feeds, flowers, plants, live animals, hides, skins and leather.
					G46.3.1	Wholesale of fruit and vegetables, meat products, dairy products, eggs, edible oils, fats, beverages, tobacco products, sugar, chocolate, sugar confectionery, coffee, tea, cocoa, spices, other food, including fish, crustaceans, mollusks, non-specialized food, beverages and tobacco.
					G46.4.1	Wholesale of textiles, clothing, footwear, electrical household appliances, china, glassware, cleaning materials, perfume, cosmetics and pharmaceutical goods, furniture, carpets, lightings equipment,

			watches, jewellery and other households
			goods.
		G46.5.1	Wholesale of computers, computer
			peripheral equipment, software, electronic,
		G46.6.1	telecommunications equipment and parts.  Wholesale of agricultural machinery,
		G 10.0.1	equipment and supplies, machine tools,
			mining, construction, civil engineering machinery, machinery for the textile
			industry sewing, knitting machines, office furniture, other office machinery
			equipment, other machinery and
		G46.7.1	equipment. Wholesale of solid, liquid, gaseous fuels
			and related products, metals, metal ores, wood, construction materials, sanitary
			equipment, hardware, plumbing and
			heating equipment, supplies, chemical products, other intermediate products,
		G46.9.0	waste and scrap.  Non-specialised wholesale trade
G47	Retail trade,	G47.1.1	Retail sale in non-specialised stores with
	except of motor vehicles and		food, beverages or tobacco predominating, other retail sale in non-specialised stores.
	motorcycles.		
		G47.2.1	Retail sale of fruit and vegetables in specialised stores, meat products in
			specialised stores, fish, crustaceans, molluscs in specialised stores, bread,
			cakes, flour confectionery and sugar
			confectionery in specialised stores, retail sale of beverages in specialized, other
			retail sale of food in specialised storesstores, tobacco products in
		C47.9.0	specialised stores.  Retail sale of automotive fuel in
		G47.3.0	specialised stores.
		G47.4.1	Retail sale of computers, peripheral units, software in specialised stores, retail sale of
			telecommunications equipment in
			specialised stores, retail sale of audio and video equipment in specialised stores.
		G47.5.1	Retail sale of textiles in specialised stores, hardware, paints and glass in specialised
			stores, hardware, paints, glass in specialised stores, carpets, rugs, wall and
			floor coverings in specialised stores,
			electrical household appliances in specialised stores, furniture, lighting
			equipment and other household articles in specialised stores.
		G47.6.1	Retail sale of books in specialised stores.Retail sale of newspapers.
			stationery in specialised stores, retail sale
			of music video recordings in specialised stores, retail sale of sporting equipment in
			specialised stores,retail sale of games and toys in specialised stores.
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					G47.7.1	Retail sale of clothing in specialised stores, footwear, leather goods in specialised stores, dispensing chemist in specialised stores, retail sale of medical orthopaedic goods in specialised stores,retail sale of cosmetic, toilet articles in specialised stores,retail sale of flowers, plants, seeds, fertilisers, pet animals, pet food in specialised stores, retail sale of watches, jewellery in specialised stores, other retail sale of new goods in specialised stores.  Retail sale via stalls and markets of food, beverages, tobacco products,sale via stalls, markets of textiles, clothing, footwear and markets of other goods.
					G47.9.1	Retail sale via mail order houses or via Internet,other retail sale not in stores, stalls or markets.
Services	Н	Transporti ng and storage	H49	Land transport and transport via pipelines	H49.1.0	Passenger rail transport, interurban.
		Storage			H49.2.0	Freight rail transport.
					H49.3.1	Urban and suburban passenger land transport
					H49.4.1	Freight transport by road,Removal services
					H49.5.0	Transport via pipeline
			H50	Water transport	H50.1.0	Sea and coastal passenger water transport
					H50.2.0	Sea and coastal freight water transport.
					H50.3.0	Inland passenger water transport.
					H50.4.0	Inland freight water transport.
			H51	Air transport	H51.1.0	Passenger air transport.
					H51.2.1	Freight air transport and space transport.
			H52	Warehousing and support activities for transportation	H52.1.0	Warehousing and storage.  Service activities incidental to land
						transportation, water transportation, air transportation,cargo handling and other transportation support activities.
			H53	Postal and courier activities	H53.1.0	Postal activities under universal service obligation.
					H53.2.0	Other postal and courier activities.
Services	I	Accommod ation and food service activities	I55	Accommodatio n	I55.1.0	Hotels and similar accommodation.
					I55.2.0	Holiday and other short-stay accommodation.
					I55.3.0	Camping grounds, recreational vehicle parks and trailer parks.
					I55.9.0	Other accommodation
			I56	Food and beverage service activities.	I56.1.0	Restaurants and mobile food service activities.
					I56.2.1	Event catering activities and other food service activities.

					I56.3.0	Beverage serving activities.
Services	J	Informatio n and communica tion	J58	Publishing activities	J58.1.1	Book publishing, directories, mailing lists,newspapers, journals periodicals and other publishing activities.
					J58.2.1	Publishing of computer games and other software publishing.
			J59	Motion picture, video, television programme production, sound recording and music publishing activities.	J59.1.1	Motion picture, video and television programme distribution production activities, post-production activities, motion picture and motion picture projection activities.
					J59.2.0	Sound recording and music publishing activities.
			J60	Programming and broadcasting activities.	J60.1.0	Radio broadcasting.
					J60.2.0	Television programming and broadcasting activities.
			J61	Telecommunic ations	J61.1.0	Wired telecommunications activities.
					J61.2.0	Wireless telecommunications activities.
					J61.3.0	Satellite telecommunications activities.
					J61.9.0	Other telecommunications activities.
			J62	Computer programming, consultancy and related activities.	J62.0.1	Computer programming activities, consultancy activities, facilities management activities, other information technology and computer service activities.
			J63	Information service activities	J63.1.1	Data processing, hosting, related activities and web portals.
Services	K	Financial and insurance activities	K64	Financial service activities, except insurance and pension funding	K64.1.1	Central banking and other monetary intermediation.
					K64.2.0	Activities of holding companies.
					K64.3.0	Trusts, funds and similar financial entities.
					K64.9.1	Financial leasing, other credit granting, other financial service activities, except insurance and pension funding n.e.c.
			K65	Insurance, reinsurance,pe nsion funding, except compulsory social security.	K65.1.1	Life insurance and Non-life insurance.
					K65.2.0	Reinsurance
					K65.3.0	Pension funding

			K66	Activities auxiliary to financial services and insurance activities.	K66.1.1	Administration of financial markets, security, commodity contracts brokerage, other activities auxiliary to financial services, except insurance and pension funding.
					K66.2.1	Risk and damage evaluation, activities of insurance agents and brokers, other activities auxiliary. to insurance and pension funding.
					K66.3.0	Fund management activities.
Services	L	Real estate activities	L68	Real estate activities	L68.1.0	Buying and selling of own real estate.
					L68.2.0	Renting and operating of own or leased real estate.
					L68.3.1	Real estate agencies, management of real estate on a fee or contract basis.
Services	M	Professiona l, scientific and technical activities	M69	Legal and accounting activities	M69.1.0	Legal and accounting activities.
					M69.2.0	Accounting, bookkeeping, auditing activities and tax consultancy.
			M70	Activities of head offices; management consultancy activities	M70.1.0	Activities of head offices.
			M71	Architectural and engineering activities; technical testing and analysis	M70.2.1	Public relations and communication activities, business and other management consultancy activities.
					M71.1.1	Architectural activities, engineering activities and related technical consultancy.
				~	M71.2.0	Technical testing and analysis.
			M72	Scientific research and development	M72.1.1	Research and experimental development on biotechnology, other research, experimental development on natural sciences and engineering.
					M72.2.0	Research and experimental development on social sciences and humanities.
			M73	Advertising and market research	M73.1.1	Advertising agencies and media representation.
					M73.2.0	Market research and public opinion polling.
			M74	Other professional, scientific and technical activities	M74.1.0	Specialised design activities.
					M74.2.0	Photographic activities.
					M74.3.0	Translation and interpretation activities.
					M74.9.0	Other professional, scientific and technical activities n.e.c.
			M75	Veterinary activities	M75.0.0	Veterinary activities.

Services	N	Administra tive and support service activities	N77	Rental and leasing activities	N77.1.1	Renting and leasing of cars, light motor vehicles, renting and leasing of trucks.
		activities			N77.2.1	Renting and leasing of recreational and sports goods, video tapes and disks, leasing of other personal and household goods.
					N77.3.1	Renting and leasing of agricultural machinery, equipment, construction and civil engineering machinery and equipment, leasing of office machinery and equipment (including computers), leasing of water transport equipment, leasing of air transport equipment, leasing of other machinery, equipment and tangible goods n.e.c.
					N77.4.0	Leasing of intellectual property, similar products and except copyrighted works.
			N78	Employment	N78.1.0	Activities of employment and placement
				activities	N78.2.0	agencies.  Temporary employment agency activities.
					N78.3.0	Other human resources provision.
			N79	Travel agency, tour operator and other reservation service and related activities	N79.1.1	Travel agency activities and tour operator activities.
					N79.9.0	Other reservation service and related activities.
			N80	Security and investigation activities	N80.1.0	Private security activities.
					N80.2.0	Security system services activities investigation activitie.
					N80.3.0	Investigation activities.
			N81	Services to bulidings and landscape activities	N81.1.0	Combined facilities support activities.
					N81.2.1	General cleaning of buildings, other building and industrial cleaning activities and other cleaning activities.
			N82	Office administrative , office support and other business support activities	N82.1.1	Combined office administrative service activities, photocopying, document preparation, and other specialised office support activities.
					N82.3.0	Organisation of conventions and trade shows.
					N82.9.1	Activities of collection agencies and credit bureaus, packaging activities,other business support service activities n.e.c.
Other	0	Public administra tion and defence; compulsory social security	O84	Public administration and defence; compulsory social security	O84.1.1	General public administration activities, regulation of the activities of providing health care, education, cultural services and other social services, excluding social security regulation of and contribution to more efficient operation of businesses.

					O84.2.1	Foreign affaairs, defence activities, justice and judicial activities, public order and safety activities, fire service activities.  Compulsory social security activities.
Other	P	Education	P85	Education	P85.1.0	
Otner	P	Education	P89	Education		Pre-primary education
					P85.3.1	General secondary education, technical and vocational secondary education.
					P85.4.1	Post-secondary non-tertiary education and tertiary education.
					P85.5.1	Sports and recreation education, cultural education, driving school activities, driving school activities, other education n.e.c.
					P85.6.0	Educational support activities.
Other	Q	Human health and social work activities	Q86	Human health activities	Q86.1.0	Hospital activities.
					Q86.2.1	General medical practice activities, specialist medical practice activities and dental practice activities.
					Q86.9.0	Other human health activities.
			Q87	Residential care activities	Q87.1.0	Residental nursing care activities, residential care activities for mental retardation, mental health and substance abuse.
					Q87.3.0	Residential care activities for the elderly and disabled.
					Q87.9.0	Other residential care activities.
			Q88	Social work activities without accommodatio n	Q88.1.0	Social work activities without accommodation for the elderly and disabled.
				, 11	Q88.9.1	Child day-care activities, other social work activities without accommodation n.e.c.
Other	R	Arts, entertainm ent and recreation	R90	Creative, arts and entertainment activities	R90.0.1	Performing arts, support activities to performing arts, artistic creation and operation of arts facilities.
		2002040101			R91.0.1	Library and archives activities, museums activities, operation of historical sites, buildings, similar visitor attractions, botanical, zoological gardens and nature reserves activities.
			R92	Gambling and betting activities	R92.0.0	Gambling and betting activities.
			R93	Sports activities and amusement and recreation activities	R93.1.1	Operation of sports facilities, activities of sport clubs, fitness facilities and other sports activities.
Other	S	Other services activities	S94	Activities of membership organisations	S94.1.1	Activities of professional membership organisations, activities of business and employers membership organisations.
					S94.2.0	Activities of trade unions.
					S94.9.1	Activities of religious organisations, political organisations and other membership organisations n.e.c.

			S95	Repair of computers and personal and household	S95.1.1	Repair of computers and peripheral equipment and communication equipment.
				goods	S95.2.1	Repair of consumer electronics, household appliances, home, garden equipment, footwear, leather goods, furniture, home furnishings,repair of watches, clocks, jewellery, repair of other personal and household goods.
			S96	Other personal service activities.	S96.0.1	Washing and (dry-)cleaning of textile and fur products, hairdressing, other beauty treatment, funeral and related activities, physical well-being activities and other personal service activities n.e.c.
Other	T	Activities of households as employers, undifferent iated goods, services - producing activities of households for own use.	T97	Activities of households as employers of domestic personnel.	T97.0.0	Activities of household as employer and domestic personnel.
			T98	Undifferentiat ed goods, services- producing activities of private households for own use.	T98.1.0	Undifferentiated goods-producing activities of private households for own use.
Other	U	Activities of extraterrit orial organisatio ns and bodies	U99	Activities of extraterritorial organisations and bodies.	U99.0.0	Activities of extraterritorial organisation and bodies.