



# Government Gazette Staatskoerant

REPUBLIC OF SOUTH AFRICA  
REPUBLIEK VAN SUID-AFRIKA

Vol. 432

Pretoria, 8 June  
Junie 2001

No. 22352



AIDS HELPLINE: 0800-0123-22 Prevention is the cure

---

## GENERAL NOTICE

---

NOTICE 1424 OF 2001



INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA

**NOTICE OF INTENTION TO MAKE REGULATIONS ON THE NUMBERING PLANS IN RESPECT  
OF TELECOMMUNICATION SERVICES**

THE INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA ("ICASA") HEREBY GIVES NOTICE THAT IT INTENDS MAKING THE FOLLOWING REGULATIONS IN TERMS OF SECTIONS 96(1) AND 96(4), READ WITH SECTION 89 OF THE TELECOMMUNICATIONS ACT, 1996 (ACT No. 103 OF 1996).

INTERESTED PERSONS ARE HEREBY INVITED TO SUBMIT WRITTEN COMMENTS OR REPRESENTATIONS, INCLUDING AN ELECTRONIC VERSION OF REPRESENTATIONS IN MICROSOFT WORD 6.0 OR LOWER, WITH REGARD TO THE PROPOSED REGULATIONS TO BE RECEIVED NO LATER THAN **12H00 ON 10 SEPTEMBER** BY POST, HAND DELIVERY OR FACSIMILE TRANSMISSION, FOR THE ATTENTION OF MR. H. KASSEEPURSA, TELECOMMUNICATIONS LICENSING DEPARTMENT, ICASA: PRIVATE BAG X1, MARLBORO, 2063; BLOCK A, PIN MILL FARM, 164 KATHERINE STREET, SANDTON; TEL (011)321-8311; FAX (011)321-8550.

**MANDLA LANGA**  
**CHAIRPERSON**  
**ICASA**

## REGULATIONS ON THE NUMBERING PLANS

REGULATIONS IN TERMS OF SECTION 89 READ WITH SECTION 96 OF THE  
TELECOMMUNICATIONS ACT 103, 1996

## ARRANGEMENT OF THE REGULATION

	<i>Page</i>
1 DEFINITIONS AND SCOPE	5
1.1 DEFINITIONS	5
1.2 SCOPE OF THE REGULATION	9
2 RESTRICTIONS, PROHIBITIONS AND REGULATORY FLEXIBILITY	10
2.1 RESTRICTIONS AND PROHIBITIONS	10
2.1.1 <i>Prescribed numbering plan</i>	10
2.1.2 <i>Short codes</i>	10
2.2 REGULATORY FLEXIBILITY	10
3 NUMBER PLAN	12
3.1 INTERNATIONAL SERVICE CODES	12
3.2 NON-GEOGRAPHIC SERVICE CODES	12
3.3 GEOGRAPHIC SERVICE CODES	14
4 IMPLEMENTATION PLAN	15
4.1 INTERNATIONAL SERVICE CODES	15
4.2 NON-GEOGRAPHIC SERVICE CODES	15
4.3 GEOGRAPHIC SERVICE CODES	17
5 ADMINISTRATION, MANAGEMENT AND NUMBERING CONVENTIONS	19
5.1 GENERAL FRAMEWORK	19
5.2 MANAGEMENT TASKS	22
5.2.1 <i>Setting up and maintenance of a central number database</i>	22
5.2.2 <i>Actual number assignment</i>	22
5.2.3 <i>Monitoring the usage of assigned numbers</i>	23
5.3 NUMBERING CONVENTIONS	24
PART A	25
PART B	38
PART C	40
SCHEDULES	42
SCHEDULE 1 - NON-GEOGRAPHIC SERVICE CODES	43
SCHEDULE 2 - GEOGRAPHIC NUMBERS	44
SCHEDULE 3 - NUMBERS OF GEOGRAPHIC SIGNIFICANCE	47
SCHEDULE 4 - ABC CODE RANGES RESERVED FOR FUTURE USE	54
SCHEDULE 5 - NUMBERS TAKEN TO HAVE BEEN ALLOCATED TO TELKOM	142
SCHEDULE 6 - DATA NUMBERS	144

## 1 DEFINITIONS AND SCOPE

### 1.1 Definitions

In this Regulation, unless the context requires otherwise;

- (a) All words and expressions shall have the same meanings ascribed to them in the Telecommunications Act 103 of 1996 (the "ACT");
- (b) The following terms shall have the meaning set forth below:

**"ABC code"** means the 3-digit combination of a national geographic number that immediately follows the area code;

**"Area code"** means the dialled identification code that uniquely identifies an exchange area or multi-exchange area;

**"Area code overlay"** means that numbering relief is provided in an area by opening up a new area code within the same geographic area as the area requiring relief;

**"Assignment"** means one or more of a three-level assignment process, namely primary, secondary or tertiary assignment of numbers:

- (1) **"Primary assignment"** means the issue of numbers or codes directly to a customer or network operator by the Authority or Numbering plan manager (NPM);
- (2) **"Secondary assignment"** means the issue of numbers by a network operator to service providers or to end customers;
- (3) **"Tertiary assignment"** means the issue of numbers by a service provider to end customers;

**"Central number database"** means a centralized master record-keeping system for capturing details of the assignment of numbers, maintained and held by the Authority or NPM;

**"Closed numbering plan"** means that the national number length is fixed for all telecommunication services, geographic or non-geographic (except special services) and the same number is dialled to reach a customer or service regardless of the point of origin of the call;

**"Days"** means any day other than Saturday, a Sunday or a public holiday in the Republic of South Africa;

**"Efficient utilization"** means the use or allocation of numbers and codes in the most economical manner practicable or in a manner that will not precipitate number shortages. For example, efficient allocation methods include:

- number allocation or issue of a full length number per service, customer or user,
- the use of number pooling (sharing) in preference to block allocation, and
- short code allocation limited to the absolute minimum;

**"Exchange area"** means a geographical area demarcating those telephone users who should be served by their own local exchange;

**"Freephone number"** means a number that can be reached free of charge to the caller, typically beginning '0800';

**"Geographic number"** means a number from the national numbering plan where part of its digit structure contains geographic significance used for routing calls to the physical location of the network termination point of the customer to whom the number has been assigned;

**"Geographic significance"** means the concept of geographically indicative numbers that give an indication of the geographic location being called; two types are distinguished:

- (1) **"Broad geographic significance"** gives a broad indication of the location within a numbering area;
- (2) **"Local geographic significance"** gives an indication of the specific district or precinct within a numbering area;

**"International number"** means the number to be dialled following the international prefix to obtain a called party in another country;

**"International prefix"** means the combination of digits to be dialled, following access to the PSTN, by a caller making a call to a recipient in another country to obtain access to the automatic outgoing international equipment. For South Africa, this prefix is presently digits '09', but will change to '00' in due course to meet international standards;

**"Local rate services"** means services that are charged only at the local call charge rate to the calling party, regardless of the distance of the call;

**"Mandatory 10-digit dialing"** means all calls to geographic numbers, whether local and national calls, require the full 10-digit national number to be dialed (i.e. initial digit '0' + *national significant number*) regardless of the origin of the call;

**"Multi-exchange area"** means a collection of two or more exchange areas with a locally linked numbering scheme. For example, dialling code '012' represents the multi-exchange area of Pretoria;

**"National numbering plan"** means the numbering plan providing access to telecommunication services in South Africa, including POTS, ISDN, mobile cellular, data and telex numbering;

**"National (significant) number"** means the number to be dialled following the national trunk prefix '0' to obtain a customer in the same country but outside the same local network or numbering area;

**"Non-geographic number"** means numbers that are used to identify a type of service rather than a geographical location. These services are sometimes referred to as "Specially Tariffed Services" and include freephone, local rate, national rate and premium rate services. Mobile, Paging and Personal Number services are also use non-geographic numbers;

**"Number block"** means a series of numbers (usually sequential);

**"Numbering code"** means the initial dialled digits of a telephone number that identify the service;

**"Numbering conventions"** means a set of rules and principles relating to the use and management of numbers from the prescribed numbering plan;

**"Number pooling"** means the sharing of *ABC codes* among multiple operators and service providers serving the same exchange area. All ten thousand numbers within each *ABC code* continue to be associated with the same exchange area designation, but can be distributed among multiple service providers, typically at the thousand block (*ABC-X*) level;

**"Numbering space"** means the generic term for the total set of numbers available behind a country code or service access code or the collection of them;

**"Over-ride"** means a code sequence to over-ride pre-selection on a call-by-call basis. Applicable only when/where pre-selection is provided;

**"Prescribed numbering plan"** means the national numbering plan in South Africa for the assignment and re-assignment of designated numbers, codes and prefixes that is specified by the Authority for use in respect of telecommunication services. The prescribed numbering plan specifies which number ranges are assigned for usage with which type of telephony service and encompasses all public numbering capacity available within the entire numbering space;

**"Pre-selection"** means the automatic selection of one of several alternative carriers (operators) for all normal dialled calls, by nominating that carrier in advance;

**"Public number"** means a number specified in the prescribed numbering plan for use in connection with the supply of telecommunication services to the public in South Africa;

**"Public telecommunications network"** means a telecommunications network used, in whole or in part, for the provision of publicly available telecommunications services;

**"Short codes"** means any national number less than 10-digits in length;

**"Withdrawal of numbers"** means the withdrawal of codes and numbers from the prescribed numbering plan, whether active or inactive, to the spare numbering resource pool;

#### Abbreviations

**"ATM"** means asynchronous transfer mode;

**"AVS"** means automated voice system of Telkom;

**"CBD"** means central business district;

**"CIC"** means carrier identification code;

**"DNIC"** means a data network identification code;

**"GMPCS"** means global mobile personal communications via satellite - a world-wide mobile service based upon satellite technology. It provides global voice and data access, so wherever the customer may be in the world access will be available. Handsets may be dual mode so that when a customer is within mobile cellular network coverage the call may be connected through that network, but when that customer moves outside of mobile cellular coverage the call may be routed via the GMPCS network;

**"IDD"** means international direct dial;

**"ISDN"** means integrated services digital network - a network based on the existing digital PSTN which provides digital links to customers and end-to-end digital connectivity to support a wide range of services, including voice and non-voice services to which users have access by standard multipurpose customer interfaces;

**"ITU-T"** means the telecommunications sector of the international telecommunications union;

**"MEA"** means multi-exchange area;

**"NAC"** means numbering advisory committee of the Authority;

**"NPM"** means numbering plan manager – an independent national body duly authorized and empowered to carry out the management of the prescribed numbering plan;

**"OLO"** means other licensed operators – companies, other than Telkom, licensed to operate telecommunications networks in future;

**"POTS"** means plain old telephone services;

**"PLMN"** means public land mobile network;

**"PSTN"** means public switched telephone network, for example the telecommunications network of Telkom;

**"SADC"** means Southern African Development Community, presently 14 member states in Southern Africa;

**"SIM"** means Subscriber Identity Module, a 'smart' card installed or inserted into a mobile telephone containing all subscriber-related data.

**"TNIC"** means telex network identification code;

**"UIFN"** means universal international freephone number - the ITU-T Recommendation for establishing a global freephone environment where the customer is allocated a unique freephone number(s) that is the same throughout the world;

**"UPT"** means universal personal telecommunications - the ITU-T Recommendation for establishing a personal communications environment where the customer can be reached through a single (personal) number independent of network or location, providing total personal mobility. The number is assigned to a customer rather than a service.

## 1.2 Scope of the Regulation

In this Regulation, the Authority

(1) PRESCRIBES A NUMBERING PLAN, pursuant to section 89 of the act, for use in respect of telecommunication services that encompasses:

- (a) The number plan (SECTION 3);
- (b) The implementation plan with time-lines that specifies when number changes must be effected (SECTION 4); and
- (c) The administration and management of the number plan, including national numbering conventions (SECTION 5); and

(2) MAKES KNOWN ITS INTENTION TO —

- (a) Introduce a *closed numbering plan* in South Africa that shall include *mandatory 10-digit dialling* for all geographic numbers by 08 May 2002 . All local geographic numbers (currently the initial dialled digit '2' to '9') shall be withdrawn from the prescribed numbering plan; and
- (b) Introduce an *area code overlay* in the Gauteng Central Area (using area code '010') to provide adequate future numbering capacity and numbering relief with the imminent exhaustion of '011' numbers in the Gauteng Central Area.



## 2 RESTRICTIONS, PROHIBITIONS AND REGULATORY FLEXIBILITY

### 2.1 Restrictions and Prohibitions

#### 2.1.1 *Prescribed numbering plan*

- (1) Numbers and codes included in the Prescribed Numbering Plan ("the Plan") shall be for the exclusive use with the telecommunication services designated for this purpose.
- (2) Numbers and codes NOT specified in the Plan are prohibited for use with any telecommunication services, or other use, unless expressly authorized in writing by the Authority.

#### 2.1.2 *Short codes*

- (1) The use of short codes and numbers shall be limited, where practicable, to use with special services, emergency services and internal network use. Where short codes have not been designated for use by this regulation, the express authorization in writing by the Authority shall be required.
- (2) Notwithstanding the restrictions in the use of short codes imposed by this regulation, the Authority may, within one year after the completion of the 10-digit closed numbering plan in South Africa contemplated in SECTION 1.2(2), conduct an enquiry in terms of SECTION 27 of the Act into the feasibility of an additional range, other than the '1X' range, for short codes in South Africa.

### 2.2 Regulatory Flexibility

- (1) Notwithstanding the provisions in the Act, as amended, for the Regulatory treatment of Telkom during the period of its licence exclusivity, or the provisions contemplated in the Numbering Condition of Telkom's Public Switched Telecommunication Service Licence, the Authority may FORBEAR from applying the numbering conventions in SECTION 5.3 of this regulation to Telkom, until a date to be specified by the Authority, subject to the following conditions:
  - (a) Telkom shall continue to allocate geographic numbers directly to its customers, provided that the allocation -
    - (i) complies with the prescribed numbering plan; and
    - (ii) is justified by the expected traffic usage; and
    - (iii) is reasonable in terms of the market needs; and
    - (iv) will not precipitate number shortages; and
    - (v) shall be in a manner that aims to achieve an overall utilization level of 75% in the metropolitan exchange area (MEA) codes listed in SCHEDULE 3;
  - (b) Telkom shall not introduce new geographic area codes ("0NN") without the express written authorization of the Authority;
  - (c) Telkom shall not allocate geographic numbers from the ABC code ranges reserved for future use as listed in SCHEDULE 4, without the express written authorization of the Authority;

- (d) Telkom shall submit to the Authority every three (3) months, commencing from the first day of the month following the commencement date of this regulation, a list of all new ABC codes that have been activated in Telkom's network;
- (e) Telkom shall provide the Authority, as requested at any reasonable time by the Authority, with updated information on the level of utilization of any or all ABC codes in any or all geographic numbering area(s).
- (f) Numbers may be reserved for Telkom's customers in accordance with the numbering conventions in SECTION 5.3 provided that the in-service date is no longer than 12 months from the date of reservation. Reserved numbers that are not brought into service within 12 months from the reservation date shall be returned to the national number resource pool. This shall be done in writing.

## 3 NUMBER PLAN

## 3.1 International Service Codes

Range	Service
-------	---------

00	INTERNATIONAL DIRECT DIAL (IDD) ACCESS
----	--

## 3.2 Non-Geographic Service Codes

Range	Service
-------	---------

10	EXISTING TELKOM SERVICES	In Use (Telkom)
10111	Police emergency	
10116	Conference call booking (multi-lingual)	
10118	Electronic yellow pages	
10120	Call answer - deposit message	
10121 - 10125	Call answer remote retrieval	
10126 - 10127	Enhanced services platform (ESP) services	
10128	Prepayment	
10129	Call answer - call forwarding	
1013	Universal card calling and automatic reverse charge call services	
10170	Regional Front Office	
10171	Regional front office	
10177	Ambulance emergency	
10178	Reserved for fire brigade	
1019	Automated voice system (AVS)	
10210	Account enquiries (call centres)	
10212	Engineering faults (call centres)	
10214	Ships at sea	
10215	Telkom internal use	
10216	Fixed time booking	
10217	Business Call Centre	
10218	PO Phonogram	
10219	Application for new services (call centres)	
1022	Emergency call difficulties (multi-lingual)	
1023	Directory information (multi-lingual)	▼

<b>1024</b>	Payphone service difficulties	In Use (Telkom)
<b>1025</b>	Demand services (english)	
<b>1026</b>	Time	
<b>1027</b>	Demand services (multi-lingual)	
<b>1028</b>	Phonogram (multi-lingual)	
<b>1029</b>	Changed number interception (multi-lingual)	
<b>1091</b>	Telkom internal use	
<b>1096</b>	Time (multi-lingual)	↓
<b>11</b>	Community Services and Mass Dialling	
<b>112</b>	National emergency service	
<b>12</b>	Operator Services	
<b>13</b>	Local Rate Services	
<b>14</b>	Service provider access and pre-selection override codes	
<b>1410 to 1469</b>	Service provider access codes/ Carrier Identification Codes (CIC) <sup>1</sup>	
<b>1470 to 1499</b>	Pre-selection override codes	
<b>15</b>	Universal Personal Telecommunications (UPT)	
<b>16</b>	Reserved for future growth	
<b>17</b>	Reserved for future growth	
<b>18</b>	Special Network Services	
<b>19</b>	Premium Rate Services	

<b>08 and 07</b>	MOBILE CELLULAR, PAGING, GMPCS AND TELKOM INBOUND CALL SERVICES
<b>080</b>	Telkom Freecall
<b>081</b>	Reserved for future growth
<b>082</b>	Mobile cellular (Vodacom)
<b>083</b>	Mobile cellular (MTN)
<b>084</b>	Reserved for 3 <sup>rd</sup> mobile cellular operator
<b>085</b>	Reserved for 4 <sup>th</sup> mobile cellular operator
<b>086</b>	Telkom Inbound call services
<b>087</b>	Reserved for future growth
<b>088</b>	Paging
<b>089</b>	Reserved for GMPCS

<sup>1</sup> The Authority shall assign CIC codes using strict assignment guidelines

<b>07</b>	RESERVED FOR SERVICE GROWTH AND FUTURE OPERATORS
<b>072</b>	Reserved for Vodacom
<b>073</b>	Reserved for MTN
<b>074</b>	Reserved for 3 <sup>rd</sup> mobile cellular operator
<b>075</b>	Reserved for 4 <sup>th</sup> mobile cellular operator

### 3.3 Geographic Service Codes

**Range****Service**

<b>01, 02, 03, 04, 05, 06, 09</b>	PUBLIC SWITCHED TELEPHONE NETWORK SERVICE (PSTN)
<b>01</b>	Gauteng, Northern Province, North West Province and Mpumalanga
<b>011</b>	Gauteng Central
<b>010</b>	Reserved for Gauteng Central Capacity Expansion
<b>02</b>	Western Cape
<b>03</b>	Eastern (KwaZulu - Natal)
<b>04</b>	Southern (Eastern Cape)
<b>05</b>	Central (Free State and Northern Cape)
<b>06</b>	Reserved for PSTN growth
<b>09</b>	Reserved for PSTN growth

## 4 IMPLEMENTATION PLAN

### 4.1 International Service Codes

Range	Service	Implementation
00	International Direct Dial (IDD) Access	<p>Available for use from 08 May 2002.</p> <p>Parallel working with '09' for 12 months after '00' cut-over<sup>2</sup>.</p> <p>AVS will be provided for 6 months following parallel working.<sup>3</sup></p>

### 4.2 Non-Geographic Service Codes

Range	Service	Implementation
10	Non Specific Services	<p>Available for use.</p> <p>Ranges used by Telkom specified in SECTION 2.1.2.<sup>4</sup></p> <p>Spare ranges available for allocation as determined by the Authority.</p>
11	Community Services and Mass Dialling <sup>5</sup>	Available for use from 08 May 2002.
112 <sup>6</sup>	National Emergency Service	<p>Parallel working with '107' for 12 months after '112' cutover.<sup>7</sup></p> <p>AVS will be provided for 6 months following parallel working<sup>8</sup>.</p>
12	Operator Services <sup>4</sup>	Available for use from 08 May 2002.

<sup>2</sup> Parallel working allows for either code to be used for the specified period.

<sup>3</sup> AVS is Telkom's automated voice system. When '09' is dialled, AVS will inform the caller that the number is no longer available and that '00' is the new number. This call will not be charged to the caller.

<sup>4</sup> Telkom will be permitted to retain these codes for services in use. New services will be allocated numbers within the designated 'IX' range.

<sup>5</sup> The Authority will determine code lengths within the range in accordance with the Numbering Principles.

<sup>6</sup> At any time, a licensed operator shall provide free emergency access to an emergency organisation using the number 112 on any telecommunications line terminal equipment or any GSM equipment including simless equipment.

<sup>7</sup> Parallel working allows for either code to be used for specified period.

<sup>8</sup> AVS is Telkom's automated voice system. When '107' is dialled, AVS will inform the caller that the number is no longer available and that '112' is the new number. This call will not be charged to the caller.

<b>13</b>	Local Rate Services <sup>4</sup>	Available for use from 08 May 2002.
-----------	----------------------------------	-------------------------------------

Range	Service	Implementation
<b>14</b>	Service provider access and Pre-selection override codes	Available for use from 08 May 2002.
<b>1410 to 1469</b>	Service provider access codes	
<b>1470 to 1499</b>	Pre-selection override codes	
<b>15</b>	Universal Personal Telecommunications Services (UPT) <sup>9, 10</sup>	Available for use from 08 May 2002.
<b>16</b>	Reserved for future growth	Available for use from 08 May 2002
<b>17</b>	Reserved for future growth	Available for use from 08 May 2002
<b>18</b>	Special Network Services <sup>9</sup>	Available for use from 08 May 2002
<b>19</b>	Premium Services <sup>9</sup>	Available for use from 08 May 2002

<b>08 and 07</b>	Mobile Cellular, Paging, GMPCS and Telkom Inbound Call Services	
<b>080</b>	Freecall	In use (Telkom)
<b>081</b>	Reserved for future growth	Available for use
<b>082</b>	Mobile cellular	In Use (Vodacom)
<b>083</b>	Mobile cellular	In Use (MTN)
<b>084</b>	Reserved for 3 <sup>rd</sup> mobile cellular operator	Available for use
<b>085</b>	Reserved for 4 <sup>th</sup> mobile cellular operator	Available for use
<b>086</b>	Inbound call services	In Use (Telkom)
<b>087</b>	Reserved for future growth	Available for use
<b>088</b>	Paging	In Use (Telkom)
<b>089</b>	Reserved for GMPCS <sup>11</sup>	Available for use from 08 May 2002

<sup>9</sup> This range is reserved for possible future UPT services. The Authority may determine an alternate use for this range subject to the development of UPT services.

<sup>10</sup> The Authority will determine code lengths within the range in accordance with the Numbering Principles.

<sup>11</sup> This range will become available for GMPCS when Telkom migrates its '089' service to the designated code range.

Range	Service	Implementation
<b>07</b>	Reserved for service growth and future operators <sup>12</sup>	Available for use
<b>072</b>	Reserved for Vodacom	Available for use
<b>073</b>	Reserved for MTN	Available for use
<b>074</b>	Reserved for 3 <sup>rd</sup> mobile cellular operator	Available for use
<b>075</b>	Reserved for 4 <sup>th</sup> mobile cellular operator	Available for use

### 4.3 Geographic Service Codes

Range	Service	Implementation
<b>01, 02, 03, 04, 05</b>	Public switched telephone network service (PSTN)	TEN DIGIT CLOSED NUMBERING TO BE INTRODUCED NATIONALLY BY 08 May 2002 .  Parallel working for 7 and 10-digit dialling will apply for 12 months prior to cutover to permanent 10-digit dialling. <sup>13</sup>  For 6 months following permanent cutover, AVS will be provided. <sup>14</sup>
<b>01</b>	Gauteng, Northern Province, North West Province and Mpumulanga	
<b>010 and 011</b>	Gauteng Central	Implementation date for area code '010' to be determined subject to a review of number capacity following the introduction of ten digit closed numbering. <sup>15</sup>

<sup>12</sup> Numbers, number ranges and code lengths within the '07' range will be determined and allocated by the Authority in accordance with the Numbering Principles.

<sup>13</sup> Either the service's local 7 digit number or its closed 10 digit number can be dialled for the period specified.

<sup>14</sup> AVS is Telkom's automated voice system. When the old local 7 digit number is dialled, AVS will inform the caller that the number is no longer available and that the full 10 digit number must be used. This call will not be charged to the caller.

<sup>15</sup> New services in Gauteng Central would be allocated the '010' code. No existing '011' services would change.



<b>02</b>	Western Cape	
<b>03</b>	Eastern (KwaZulu-Natal)	
<b>04</b>	Southern (Eastern Cape)	
<b>05</b>	Central (Free State and Northern Cape)	
<b>06</b>	Reserved for PSTN growth	Available for use
<b>09</b>	Reserved for PSTN growth <sup>16</sup>	Available 01 April 2003

<sup>16</sup> Reserved for future growth, following migration to the new IDD code '00'.

## 5 ADMINISTRATION, MANAGEMENT AND NUMBERING CONVENTIONS

- (1) Defining the scope of this chapter
  - (a) Numbering conventions encompasses the whole of
    - (i) the prescribed numbering plan,
    - (ii) the types of usage for designated number ranges,
    - (iii) the rules for the administration of the numbering plan, and
    - (iv) the rules for the management of the numbering plan.
  - (b) Administration of the numbering plan encompasses the establishment and change of the numbering conventions.
  - (c) Management of the numbering plan encompasses the whole of
    - (i) the assignment of numbers from designated ranges,
    - (ii) the surveillance of the usage of assigned numbers,
    - (iii) the withdrawal of assigned numbers.
  - (d) Numbering Plan Manager (NPM) is an independent national body that carries out the management of the numbering plan.
  - (e) Assignment encompasses the total of allocation and possible preceding reservation of numbers.

### 5.1 General Framework

#### (1) Numbering administration shall

- (a) Seek to establish an initial framework for numbering conventions that may be developed and amended, if necessary, to meet any future demands or requirements for telecommunications services in South Africa.
- (b) Seek to ensure a seamless transition to a new multi-carrier competitive environment in the South African telecommunications sector after Telkom's licence exclusivity has expired.
- (c) Seek to facilitate entry into the telecommunications marketplace by making numbering resources available in an efficient and timely basis;
- (d) Seek to enable the assignment of numbers on a basis that is fair, reasonable and equitable;
- (e) Not unduly favour or disadvantage any particular industry segment or group of consumers;
- (f) Not unduly favour one technology over another.

#### (2) General Responsibilities

- (a) The South African national numbering plan and the associated designated number ranges shall be controlled by the Authority. Administration of the numbering plan shall be carried out by the Authority or another national body independent of telecommunication organizations.

- (b) The numbering plan and the associated designated number ranges shall:
- (i) provide sufficient capacity in both the short term (2 - 3 years) and the long term (20 - 30 years),
  - (ii) enable fair and open competition,
  - (iii) be as consistent as practicable with the relevant ITU-T Recommendations.
- (c) Management of the numbering plan shall be controlled by the Authority or another delegated national body independent of telecommunication organizations. The management process may be divided up into a maximum of three (3) stages, viz. primary, secondary and tertiary stages. The primary stage shall be carried out by the Authority or NPM, while the secondary and tertiary stages may be handled by market parties.
- (d) Management of the numbering plan shall be carried out in an objective, non-discriminatory, equitable, proportionate, timely and transparent manner.

(3) Consultation by the Authority

The Authority may consult with interested parties or their representatives or an advisory committee, for example the NAC, on an ad hoc basis or convened expressly for this purpose, on important issues concerning numbering conventions, on large-scale withdrawals of assigned numbers by the NPM, or of its intention to modify the numbering plan or numbering conventions on a large-scale.

(4) Publicity and appeal

- (a) Up-to-date information on the following items, if applicable, may be published in an appropriate manner:
- (i) the numbering conventions,
  - (ii) the numbers assigned by the NPM,
  - (iii) the status of each of these numbers.
- (b) Appropriate procedures may be laid down for appealing to an institution independent of the NPM against management decisions by the NPM.

(5) Public Education Campaign

The publicity of a change to the numbering plan or in a substantial part of the active national numbers shall be well co-ordinated and started in good time in order to allow market parties to prepare for the change. The Authority, may manage a public education campaign together with a communications strategy for a co-ordinated and timely public awareness programme. The Authority may consult with an advisory committee, for example the NAC, on an ad hoc basis or convened expressly for this purpose.

(6) Applications for primary assignment

- (a) Eligible applicants may be defined.

- (b) The information required to decide on an application may be defined. Additional information may be required depending on the specific application. The required information may not place an undue burden on the applicant.

(7) Primary assignment

- (a) Generally, the principle of need-oriented assignment and "first come, first served" shall be applied. Appropriate procedures may be laid down for handling more than one application for the same numbers.
- (b) The assignee shall have the right to use numbers for the telecommunication service specified.
- (c) When assignment is granted, the Authority shall inform the applicant accordingly and provide information about the procedure for appeal. The primary assignee shall be responsible and accountable for the proper and efficient use of the numbers assigned.

(8) Refusal of primary assignment

- (a) When assignment is refused, the Authority shall inform the applicant about the refusal, the reasons for the refusal and the procedure for appeal.
- (b) The reasons for which assignment can be refused may be laid down.

(9) Usage conditions after primary assignment

- (a) Assignment by the Authority shall only imply the granting of rights of use of numbers.
- (b) All conditions needed to control the usage of the numbers and to withdraw numbers if they are not used for the purpose or period required may be laid down.
- (c) The assignee shall not transfer or trade assigned numbers without the express authorization in writing by the Authority. An exception may be made for mergers, acquisitions and joint ventures, in which case the Authority shall be notified in writing.
- (d) The assignee shall not use numbers that do not belong to the national numbering plan in a way that may cause interference with numbers that do belong to the national numbering plan.

(10) Withdrawal of numbers from assignees of primary assignment

- (a) The reasons for which assigned numbers can be withdrawn may be laid down.
- (b) Before any decision on a large-scale withdrawal is taken, the overall implications of the withdrawal, the timescales and the number changes involved may be carefully considered.
- (c) When the Authority intends to withdraw assigned numbers, it shall inform the assignee about its intention, the reasons and the timescales for withdrawal and the procedure for appeal.

- (d) When active numbers are withdrawn, because of the need for numbering capacity, fair and open competition or international harmonization, the assignee may have the numbers simultaneously replaced.
  - (e) When a change of active numbers is imposed by the Authority, the users of these active numbers may have the right to have the disruption minimized.
- (11) Conditions for secondary and tertiary assignment

- (a) Secondary and tertiary assignment shall comply with the national numbering plan.
- (b) The following usage conditions for primary assignment may also apply to secondary and tertiary assignment:
  - (i) Assignment shall not imply transfer of ownership but shall only imply the granting of the rights of use of numbers.
  - (ii) The assignee shall not transfer to third parties or trade assigned numbers without the express authorization in writing by the Authority. An exception may be made for mergers, acquisitions and joint ventures, in which case the Authority shall be notified in writing.
- (c) The assignee shall have the right of use of numbers for the telecommunication service specified.
- (d) When a change of active numbers is imposed by the assigning body, the users of these active numbers may have the right to have the disruption minimized.

## **5.2 Management Tasks**

Numbering plan management consists of, inter alia, the following primary tasks:

- (1) Setting up and maintenance of a central number database
- (2) Actual number assignment
- (3) Monitoring of usage of assigned numbers

### ***5.2.1 Setting up and maintenance of a central number database***

- (1) The Authority may establish a centralized master database that is designed to be used for managing the assignment of numbers in a multi-carrier environment and to ensure adequate record-keeping of the national numbering resource. In developing the database, the Authority may specify its function and requirements, including:
  - (a) Storage and memory capacity
  - (b) Hardware and software
  - (c) Security parameters and remote accessibility
  - (d) Standards and compatibility
  - (e) Flexibility, scalability and fault tolerance
  - (f) Data fields and records to be kept
  - (g) Report extracts and statistical evaluation
  - (h) Future requirements

### ***5.2.2 Actual number assignment***

The actual assignment of various types of numbers is conducted by application of the numbering conventions in SECTION 5.3 of this regulation, using the central number database. To implement the regulations, the development of special software may be required.

### ***5.2.3 Monitoring the usage of assigned numbers***

The status of number usage shall be recorded in detail and statistically evaluated. The evaluation may indicate who is using the numbers and for what purpose. Monitoring the usage of assigned numbers is an important and central input factor for numbering plan organization. It enables the number administrator to recognize problems with capacity bottlenecks in good time and to take the appropriate measures. Need-oriented assignment requires a certain degree of surveillance on the usage of assigned numbers.

If single numbers are assigned centrally, the number administrator has a detailed overview of the usage of the number range. When blocks are assigned, the number administrator needs information on the utilization of the blocks from the network operators and shall have the right to demand it.

### 5.3 Numbering Conventions

The Numbering Conventions provide a Regulatory Policy Framework for the management of the plan and are a set of rules and guiding principles relating to the use and management of the prescribed numbering plan.

#### User's Guide to Numbering

The Numbering Conventions in this Regulation provide an initial Regulatory Policy Framework that have been developed broadly on the basis of the harmonized numbering conventions formulated by the European Commission. Because of the dynamic and rapid pace of change in the telecommunications industry, tomorrow's needs and requirements may not be apparent today. Future Numbering Conventions must support effective competition by ensuring that access to numbering resources is even handed for all customers. Developments in the global arena and numbering policy in SADC states in Southern Africa may also need to be accommodated. To facilitate future changes to Numbering Conventions in a logical and user-friendly manner for the public, the Authority may develop and document a "User's Guide to Numbering". The first dated version of the "User's Guide to Numbering" document, that could adopt the Numbering Conventions in this Regulation and any changes that become necessary, may be published by the Authority within two years from the date of the promulgation of this Regulation.

#### Fixed-Mobile Convergence

The activities of fixed telephony networks (PSTN) and mobile cellular telephony networks (PLMN and GMPSC global networks) currently occupy two different markets. Moreover, in South Africa, they are subject to different legal conditions, because the licences for the two categories of operator do not contain the same requirements. This distinction is tending to blur under the combined effects of operators commercial strategies and technological progress. Operators are now bringing fixed and mobile telephony offerings closer together, or even bundling them. This fixed-mobile convergence trend has a bearing on competition and the legal framework to be applied.

In this regulation, the Numbering Conventions for both fixed and mobile cellular telephony networks have been consolidated where practicable in an attempt to effect parity across all networks. Furthermore, numbering capacity for new services are currently not available in the code ranges '11' to '19' as listed in SCHEDULE 1. In due course the Authority intends to make these code ranges available to both fixed and mobile networks.

#### Number Pooling

Number pooling is a mechanism used by many numbering administrations to increase the efficiency of number allocation to end users in a multi-carrier competitive environment. Pooled numbers essentially become a common or shared resource available to multiple carriers rather than blocks of numbers dedicated to a single carrier.

In the context of geographic numbers, number pooling means the sharing of *ABC codes* among multiple operators, service providers or carriers serving the same exchange area. All ten thousand

numbers within each ABC code continue to be associated with the same exchange area designation, but can be distributed among multiple service providers or carriers, typically at the thousand block (ABC-X) level.

Telephone numbering capacity is currently allocated in blocks of numbers to network operators. For certain types of numbers, including freephone numbers, local rate and premium rate numbers, the Authority may move away from this system in due course (*pending sector policy issues regarding a multi-carrier competitive environment in South Africa*) to one where numbers are allocated directly to the user by a central administration body. This means that, instead of approaching an operator or carrier for the number, the customer may obtain it from the central administration body. The customer would then approach the network operator of their choice in order to have service provided on that number.

## PART A

### RULES GOVERNING THE MANAGEMENT OF THE PRESCRIBED NUMBERING PLAN

---

#### A1 GUIDING PRINCIPLES

##### A1.1 General

- (1) The Prescribed Numbering Plan ("The Plan") is a national resource and the design, adoption and management of the Plan affects the national interest.
- (2) The Authority is responsible for managing the Plan and makes allocations and reservations of numbering capacity from the Plan to licensed operators who sub-allocate individual numbers to service providers and end users. Sub-allocated capacity remains part of the national resource managed by the Authority.
- (3) The following principles set out below (not necessarily in order of importance) may be taken into account in the management of the Plan.

##### A1.2 Flexibility to meet future needs

- (1) Numbering arrangements must be able to meet anticipated growth in demand for telecommunications services and cope with the rapidly changing telecommunications market place, to meet demand of new and as yet unknown services as well as a contingency for the growth of existing services.
- (2) The Plan should be organized and managed in a way that allows for good husbandry of the supply of numbers and provides reasonable capacity to be kept as a reserve for new services and future expansion of the Plan, with some entire ranges kept free for future uses.
- (3) The good husbandry of numbers should be encouraged and capacity conserved, particularly in areas of number shortage.
- (4) Numbering arrangements should result in efficient utilization of numbering space and facilitate new market and technological developments. They should, if and where possible and in accordance with the rules of the Plan, allow customers to move up the value chain from basic voice telephony to higher levels of service without needing a number change.

##### A1.3 Pro-competition

- (1) Numbering arrangements should support effective competition.



- (2) Companies with rights to numbering resource should receive fair and equal treatment with respect to access to numbers and allocation policy.
- (3) There should be no branding of numbers by operators as it impedes competition and can lead to customer confusion.

#### **A1.4 Cost effectiveness**

- (1) Developments to, and management of, the Plan should take into account costs and inconvenience to customers, operators and service providers. These should fall within reasonable bounds and change should be justified. They must also be technically feasible and reasonably practical to implement.
- (2) The Plan should be reasonably easy to manage and administer.

#### **A1.5 Customer needs**

- (1) The organization and management of the Plan should ensure that there are sufficient numbers to meet customers' needs.
- (2) The numbering arrangements should ensure, as far as possible, that numbers of different types give a broad indication of service/price. They should also take account of the need to associate particular tariffs with the first few digits of the called numbers to convey meaningful information to callers and to facilitate routing of calls by networks and customer premises equipment. However, the current tariff structure should not unduly constrain decisions or the evolution of the telecommunications market.
- (3) Any changes to the Plan should be managed in a way that causes minimum disruption, cost and inconvenience for customers.

#### **A1.6 International developments**

- (1) The Plan should take account of international developments and agreements and where appropriate be compatible with relevant international agreements, standards and recommendations.

#### **A1.7 Consultation**

- (1) Proposals to change the Plan should be subject to a process of consultation including representation from customers, service providers, suppliers and operators.

---

## **A2 APPLICATION CRITERIA**

### **A2.1 Criteria for the eligibility of applicants for number allocations and reservations**

- (1) All operators with licences granted individually to them under SECTION 33 of the Act containing a Relevant Numbering Condition are currently eligible to apply for allocations and reservations of numbering capacity.
- (2) At present such allocations apply to codes and blocks of numbers.
- (3) Others for whom the granting of a licence has been agreed in principle may be eligible to apply for reservations of numbering capacity.

---

## **A3 APPLICATION PROCEDURE**

**A3.1 Information to be supplied by an applicant for a numbering allocation or reservation**

- (1) For the allocation or reservation of numbering capacity, the applicant shall provide the following information where relevant:
  - (a) name and address of applicant;
  - (b) details of the licence under which it operates;
  - (c) purpose or use of numbering allocation;
  - (d) preferred numbering code and block;
  - (e) geographic scope of the service;
  - (f) the dates by which the allocation is required;
  - (g) the date the service is planned to be operational;
  - (h) relationship with existing reservations or allocations;
  - (i) utilization of existing allocations:
    - (i) volume of numbers allocated to end users in service;
    - (ii) allocated but not in service; and
    - (iii) reserved.
  - (j) a forecast of expected utilization over a period of at least three years;
  - (k) statement that the numbers shall be used in accordance with the Numbering Conventions;
  - (l) if a new product will be launched and is proposed for use in the application for numbers, provide the estimated product life cycle and total quantity of expected numbers to be used;
  - (m) any other information that the applicant considers necessary or appropriate to justify the application and substantiate the need for the numbers, including any relevant tariff information;
  - (n) any other information judged by the Authority to be relevant to the application and the supply of which does not place an undue burden on the applicant;
- (2) The applicant shall indicate whether the information provided to the Authority in the application is commercially sensitive.

**A3.2 Application forms**

- (1) Standard application forms may be made available by the Authority.
- (2) Completed applications forms should be submitted to the Manager, Telecommunications Licensing (Numbering), Independent Communications Authority of South Africa.

**A3.3 Timing of applications**

- (1) Applications for numbering allocations should not in general be made more than nine months prior to the planned in-service date.

**A3.4 Confidentiality of applications**

- (1) This SECTION applies if an applicant claims that the information about the allocation and use of numbers is commercially sensitive, and the Authority considers the claim to be reasonable.
- (2) Notwithstanding the provisions of SECTION 93 of the Act, the Authority:
  - (a) must keep the information secure, and
  - (b) must not disclose the information, unless:
    - (i) the disclosure is for the Authority; or
    - (ii) the disclosure is required by the Act or another Act; or
    - (iii) the disclosure is authorized by the applicant; or
    - (iv) the information is relevant to a complex application, and:
    - (v) the disclosure is to an advisory committee assessing the application; and
    - (vi) the applicant has been consulted about the disclosure.

### A3.5 Routine and complex applications

- (1) An application is a ***routine application*** only if the Authority believes that:
  - (a) the allocation would have no adverse implications for competitive service provision; and
  - (b) the allocation would have no adverse implications for the interests of end-users of telecommunication services.
- (2) A ***complex application*** is an application that is not a routine application.

### A3.6 Authority may request more information

- (1) The Authority may request an applicant, in writing, to provide more information on matters mentioned in the application to allow it to consider an application.

### A3.7 Acknowledgement of applications

- (1) The Authority shall, within 7 days of receiving the application, acknowledge the application and inform the applicant whether it is a routine or a complex application.

---

## **A4 CONSIDERATION OF APPLICATIONS**

### A4.1 Consideration of numbering allocations

- (1) When making number allocations within the Plan, the Authority will have regard to:
  - (a) the Guiding Principles in CONVENTION A1;
  - (b) the provisions of relevant licence conditions;
  - (c) the views of the applicant and other interested parties; and
  - (d) any other matters that the Authority regards as relevant.

### A4.2 Consultation on applications

- (1) Additionally and in the exceptional circumstances described below, the Authority may choose to consult on the relevant details of an application for numbering capacity (or an application either for expansion of an existing allocation or for a change of use of an existing allocation). Such consultation may be, at the Authority's discretion and following discussion with the operator, either with interested parties or with its advisory committee (NAC).
- (2) Such consultation may normally take place in dealing with a complex application, or in the case where, in the Authority's judgement, the allocation of numbering capacity while consistent with the structure of the Plan and with the Conventions would be unusual or might set a precedent in such a way that the views of interested parties should be sought.
- (3) Such consultation may normally commence within 30 days of receipt of the application.
- (4) Where the Authority judges that consultation on any or all of the detail of an application may compromise the commercial details of the applicant organization, the Authority may take into account the views of the applicant on those details on which consultation should take place.
- (5) Where such a consultation has commenced, any comments on the application shall be sent to the Authority within 30 days of the date of publication, or any other period notified at the time of

consultation. The Authority may consider the responses and advise the applicant and respondents of its decision within a maximum period of 28 days from the end of the consultation period.

#### A4.3 Timescale for handling applications for numbering capacity

- (1) The Authority shall use all reasonable endeavours to make an allocation in accordance with the Conventions in response to applications for numbering capacity within a maximum period of 28 days from receipt of the application containing all the information required by CONVENTION A3.1.
- (2) Exceptions to this period may be:
  - (a) where additional information is required from the applicant;
  - (b) where a period of consultation is required, to be initiated by the Authority;
  - (c) where there are significant issues relating to the application that cannot be reasonably handled within that period; or
  - (d) where the Authority judges that an alternative period of time is justified.
- (3) Where the Authority judges that an exception to the normal period is required, then the Authority shall inform the applicant in writing of the reasons for the exception and of the revised period. This period may generally not exceed 90 days from receipt of the application containing all the information required by CONVENTION A3.1. The procedure set out in Convention A4.13 may apply to the extension of time periods.

#### A4.10 Refusal of applications for numbering capacity

- (1) The Authority may refuse an application for an allocation of numbering capacity, or may not grant the application in full, or may attach specific conditions to the allocation which are consistent with the Conventions and relate to the use and management of the numbering capacity allocated, having considered the application as set out in CONVENTION 3.1 and having taken into account the criteria for eligibility (defined in CONVENTION A2).
- (2) When the Authority refuses an application for numbering capacity, or does not grant the application in full, or attaches specific conditions to the allocation then the Authority shall inform the applicant, in writing, of the reasons for the above.
- (3) The Authority may, following consultation with the applicant, make an alternative allocation that has the potential to satisfy the applicant's requirements without conflicting with the criteria which caused the application to be refused.
- (4) Where the Authority refuses an application for numbering capacity, or does not grant the application in full, or attaches specific conditions to the allocation (on allocation or subsequently), the applicant may write to the Authority disputing the reasons given by the Authority for its decision or giving further information for consideration regarding the application. The Authority may consider the request and respond to the applicant within 28 days.

---

### **A5 HANDLING OF APPLICATIONS**

#### A5.1 Dealing with application

- (1) The Authority must –

- (a) consider the application quickly to minimize delay in the launching of telecommunication services;
- (b) be responsive in giving information and assistance, as required, to the applicant;
- (c) be consistent in applying the matters mentioned in this Subdivision.

#### **A5.2 Allocation on request (more than one request)**

- (1) This SECTION applies if:
  - (a) more than one person applies for the allocation of a particular number; and
  - (b) the Authority decides to approve one of the requests.
- (2) The Authority must allocate the number to the person that made the first request.
- (3) If it is not apparent to the Authority which request was made first, the Authority must decide which request is taken to be made first in accordance with procedures determined by the Authority under SUBSECTION (4).
- (4) The Authority must determine, in writing, procedures for deciding which request is taken to be made first when it is not apparent to the Authority which request was made first.
- (5) If SUBSECTION (3) applies, the Authority must inform the other applicants how it determined which request was taken to be made first.

#### **A5.3 Dealing with complex application**

- (1) In deciding whether to allocate numbers to an applicant making a complex application, the Authority may consider any recommendation of its advisory committee, set up explicitly for this purpose.

#### **A5.4 Numbers of broad geographic significance**

- (1) Numbers of broad geographic significance must be allocated only:
  - (a) to meet the needs of customers who wish to make or keep common internal numbering arrangements across multiple geographically dispersed sites; or
  - (b) to improve numbering efficiency for service providers or customers with limited requirements for geographic numbers.

*Note:* For paragraph (1)(a), the Authority may allocate a customer a series of contiguous blocks of numbers of broad geographic significance, each block being made available for use exclusively within a single standard charging zone unit.

#### **A5.5 Incoming only international numbers**

- (1) The Authority may allocate an incoming only international number only if:
  - (a) the Authority has evidence of an agreement between the applicant and at least one (1) foreign telecommunications operator, and
  - (b) the agreement must be for international interconnection between a foreign public telecommunications network and the applicant's network that would allow routing of incoming only international calls.

#### **A5.6 Conditional allocation**

- (1) The Authority may allocate a number subject to conditions about the use of the number.
- (2) Before imposing a condition, the Authority may consult with an advisory committee.
- (3) Before allocating a number to any person, subject to conditions, the Authority must inform the person, in writing:
  - (a) that the Authority intends to allocate the number subject to conditions; and

- (b) the general content of the conditions.
- (4) The Authority:
  - (a) must give a copy of the conditions, to the person that is subject to the conditions, within 7 days after imposing the condition; and
  - (b) may give a copy of the conditions to a person who requests it.

---

## A6 RESERVATIONS

### A6.1 Reservation of numbering allocations

- (1) As well as making allocations of numbering capacity, the Authority may also have the ability to make reservations of numbering capacity. Reservations are intended to be used where:
  - (a) the applicant does not want to be identified; or
  - (b) the reason for the application should not be divulged prior to application for allocation; or
  - (c) a customer order has not been finalised; or
  - (d) a route for migrating numbers from another block or code needs to be identified.
- (2) A reservation may be made:
  - (a) in anticipation of an application being made for numbering capacity in accordance with a three-year rolling forecast provided by licensees entitled to apply for allocation; or
  - (b) against a specific request submitted by any organization eligible to receive allocations (for example for the expansion or growth of existing services or for the introduction of new services).
- (3) An application for a reservation should be made to the Numbering Unit at the Authority. The applicant shall provide to the Authority the information listed in CONVENTION A3 as appropriate.
- (4) Applications for the reservation of numbering capacity shall be treated in confidence by the Authority, where the applicant requests this, and may be subject to the same formal consultation procedure detailed in paragraph A4.2 where commercial confidentiality permits.
- (5) In evaluating applications for the reservation of numbering capacity, the Authority may take into account:
  - (a) the Guiding Principles in CONVENTION A1;
  - (b) the provisions of relevant licence conditions;
  - (c) the views of the applicant and other interested parties; and
  - (d) any other matters the Authority regards as relevant.
- (6) A reservation does **not** entitle operators to activate the capacity. Where numbering capacity is reserved, this does not guarantee that a corresponding allocation may subsequently be made. A subsequent request for allocation for the capacity may be considered by the Authority on the basis of the criteria set out under CONVENTION A3.

- (7) The time period for the Authority to respond to an application for a reservation shall be the same as for responding to an application for an allocation (A4.3).
- (8) Reservations may be time-limited. Unless a longer reservation is needed for the effective management of the Plan, the limit for reservations for geographic number ranges may in most cases be three months; for other ranges the period may in most cases be nine months. Reservations may be renewable on request to the Authority.
- (9) Once a reservation has been made then that numbering capacity is unavailable for allocation except for the purpose and/or to the organization for whom the reservation was made. However, the reservation may be cancelled or changed by the Authority if:
  - (a) the time-limit has expired;
  - (b) the applicant withdraws the reservation; or
  - (c) the Authority and the applicant agree a substitution
  - (d) taking into account A6.5 above.

---

## **A7 NOTIFICATIONS OF BRINGING INTO SERVICE**

- (1) It shall be the responsibility of the holder of the numbers allocated to negotiate with and to notify relevant South African operators and, where appropriate, foreign authorities regarding the implementation of allocations within the timescales agreed between the organization and the operators concerned.
- (2) Operators and others to whom allocations of numbering capacity have been made are required to advise the Authority of the contact in their organizations who is to receive notifications of the dates for activation of the allocated codes and number blocks when bringing into service. The Authority may maintain a list of such contacts and may make it available on request.

---

## **A8 CONDITIONS OF USE OF AN ASSIGNMENT OF THE NUMBERING RESOURCE**

### **A8.1 Ownership and rights of use**

- (1) Telephone numbers are a national resource and are not owned by a person to whom they are assigned or issued.
- (2) A customer to whom a telephone number has been legitimately issued may enjoy the beneficial use of the number, freely and without hindrance.
- (3) A customer to whom a telephone number has been legitimately issued is entitled to continued and indefinite use of the number while an appropriate telecommunication service is provided using the number.

### **A8.2 General conditions**

- (1) The following general conditions relating to the use and management of numbering capacity apply to all allocations made by the Authority:
  - (a) the allocation must be used for the purpose specified in the application;
  - (b) the allocation must be controlled by the original applicant. This does not however prevent the recipient making sub-allocation to others from within the numbering range provided that the sub-allocation is for the use specified in the application and in line with the Conventions;
  - (c) the holder of the allocation must maintain a record of the percentage of numbers in use and reserved;
  - (d) numbering capacity must not be traded; and
  - (e) the allocation must be used in accordance with any specific conditions made by the Authority including any classification by type or tariff.

### **A8.3 Specific conditions**

- (1) At the time of allocating numbering capacity or at any time thereafter the Authority may, at its discretion, apply a number of specific conditions of use to that allocation where the Authority considers that it is in the interest of the Plan to impose such conditions. The conditions shall be consistent with the Conventions and relate to the use and management of numbering capacity allocated. The procedure set out in CONVENTION A4.10(4) shall apply to the making of conditions.

---

## **A9 WITHDRAWAL OF NUMBERING ASSIGNMENTS**

- (1) The Authority may only withdraw allocated capacity, or part of such capacity, if the continued allocation is not in line with:
  - (a) the Numbering Conventions; or
  - (b) the Plan; or
  - (c) any specific conditions applied to that numbering allocation; or
  - (d) where there are overriding South African national interests.
- (2) Withdrawal of an in-service numbering allocation may only be made after the Authority has consulted with interested parties where the Authority considers it appropriate, with end users affected by the withdrawal and normally will be subject to a period of notice of not less than three months following the consultation. The Authority may consult with an advisory committee, for example the NAC, on an ad hoc basis or convened expressly for this purpose.
- (3) If an allocation, or part of an allocation, is not brought into service within a reasonable time, it may be withdrawn.

---

## **A10 INFORMATION ABOUT CHANGES TO ASSIGNMENTS**

- (1) Operators and others to whom allocations of numbering capacity have been made are required to apply to the Authority to make any changes:
  - (a) to the ownership of the block or code;
  - (b) to the purpose or use of numbering allocation; or



- (c) which relate to conditions of use placed on the allocation.

---

#### **A11 AUDIT PROCESS DATA**

- (1) The Authority may specify information that is required for an Annual Audit of allocated numbers. Each holder of an allocation of numbers shall submit to the Authority, each year, the information as required by the Authority from time to time. The Annual Audit information may normally specify the following for each allocation:
- (a) the current use of the allocation;
  - (b) the utilization percentage of numbers which have been allocated to end users or which for other reasons are unavailable for further allocation - the reasons for unavailability should be specified;
  - (c) the allocation of blocks of numbers to any person for purposes other than end use;
  - (d) the overall percentage utilization of all assigned numbers;
  - (e) forecasts of demand within significant ranges specified by the Authority;
  - (f) where numbering capacity has been reserved for an organization, the justification for continuing reservation of the numbering capacity; and
  - (g) any other information requested by the Authority. (The Authority may not require information where the collection or analysis of the information would place an undue burden on the organization submitting the data.)
- (2) The information shall be supplied in a format acceptable to the Authority.
- (3) The data collected may be summarised in a non-commercially sensitive form in the Annual Report produced by the Authority.

---

#### **A12 PRESCRIBED NUMBERING PLAN RECORDS**

- (1) The Authority may maintain comprehensive records of the states of all number ranges, codes and blocks of numbers comprising the Plan. The prescribed Numbering Plan records may be described in a list kept by the Authority and made available by the Authority for public inspection. In addition, the Authority may publish and periodically update a simplified table of allocated codes (the 'Code List').

---

#### **A13 ANNUAL NUMBERING REPORT**

- (1) The Authority may prepare an annual report on the organization and use of the Plan for publication in April each year, commencing from the first April month after the promulgation of this regulation.

## A14 REVIEW PROCEDURE

- (1) The Authority may initiate a review of its provisions not later than two years after the adoption of the Conventions (including revisions). Thereafter the Authority may undertake reviews from time to time as appropriate. Requests to undertake a review may be submitted at any time by any operator, service provider, user or other, and these requests must be considered by the Authority.
- (2) The Authority may from time to time amend or withdraw a Convention already published or publish additional Conventions, after consultation with interested parties. The Authority may consult with an advisory committee, for example the NAC, on an ad hoc basis or convened expressly for this purpose. The Authority may afford a reasonable period, not being less than 28 days, for them to make representations. The Authority may give reasonable notice, not being less than three months, to operators to comply with any such amendment or withdrawal of a Convention.
- (3) In deciding the details of and any subsequent change to Conventions, the Authority may have regard to:
  - (a) the Guiding Principles in CONVENTION A1;
  - (b) the provisions of relevant licence conditions;
  - (c) the views of the applicant and other interested parties; and
  - (d) any other matters that the Authority regards as relevant.
- (4) Requests for amendments to Conventions and for new Conventions may be made at any time to the Authority.

---

## A15 STANDARDS

- (1) To the maximum practical extent, the prescribed Numbering Plan ("the Plan") shall conform with the relevant and applicable international standards. Particular attention is drawn to the following Recommendations of the ITU:

### Telephony (ISDN) numbering plans

- E.161, Arrangements of figures, letters and symbols on telephones and other devices that can be used for gaining access to a telephone network
- E.164, Numbering plans for the ISDN Era
- E.166, Numbering plan interworking for the E.164 and X.121 numbering plans
- E.167, ISDN network identification codes
- E.168, Application of E.164 numbering plan for UPT
- E.169, Numbering plan for UIFN service
- E.212, Identification plan for land mobile stations

- E.213, Telephone and ISDN Numbering plan for land mobile stations in public land mobile networks (PLMN)

Data numbering plans

- X.121, International numbering plan for public data networks (DNIC)
- X.122, same text as E.166

Telex numbering plans

- F.69, The international telex service - Service and operational provisions of telex destination codes and telex network identification codes (TNIC)

- (2) The country code allocated by the ITU-T to South Africa is 27. This code follows the international dialling prefix on calls made from outside South Africa, and should be followed by the national significant number of South African destination excluding the national dialling prefix "0".
- (3) Particular attention is drawn to E.164 which states that the maximum number of digits that a national system is expected to handle on an outgoing international call is currently 15 (excluding the international dialling prefix).
- (4) The Plan shall use the decimal character set 0-9 for all number allocations. Letters and other non-decimal characters shall not be allocated to form any part of the national significant number.
- (5) The prefix "0" followed by the nine digits of a national significant number shall be used for all South African national calls and for locally dialled calls after the introduction of a closed numbering plan as contemplated in SECTIONS 1.2 and 4.3.1 of this Regulation.
- (6) The prefix "00", following the migration from code "09", shall be used for international dialling. The prefix "00" shall be followed by the digits of the country code and the national significant number.
- (7) Considerable benefit can be obtained from consistent forms of number presentation. For the Plan, the Authority recommends a "three-three-four" number format for all ten-digit numbers, for example:

(a) Geographic number format

(012) 345 6789  
012 345 6789

(b) Non-geographic format

080 345 6789  
082 345 6789

---

## A16 STRUCTURE OF THE PLAN

- (1) The national significant number shall be normally nine digits, notated by the alphabetical sequence "NNABCXXXX", for example '123456789' represents a geographic number in the Pretoria area.
- (2) The structure of the Plan is as follows (with the trunk digit "0" and initial (N) digit identifying the range):
  - (a) "00" Designated for the international dialling prefix, used to escape from national to international dialling.
  - (b) "01" to "05" The Geographic Numbering Range, digits 1-5 indicating the five primary numbering areas in South Africa.
  - (c) "06" Reserved for PSTN growth.
  - (d) "07" Designated for mobile cellular service growth.
  - (e) "08" Designated for mobile cellular, paging, GMPCS and Telkom Inbound Call Services.
  - (f) "09" Reserved for PSTN growth.

---

#### **A17 GEOGRAPHIC NUMBERING RANGES**

(see SCHEDULE 2 and SCHEDULE 3)

- (1) In the Plan the "01" to "05" ranges have been designated for Geographic Numbering; and the "06" and "09" ranges shall be kept in reserve for potential future geographic use.
- (2) In the Plan, local and broad geographic significance shall be used to the maximum practical extent. In particular, local geographic significance shall be preserved in the multi-exchange areas (MEA) listed in SCHEDULE 3.
- (3) The Authority may monitor the supply and demand for numbering capacity within the codes of the area numbering range and make proposals for overcoming any shortages that may be foreseen.
- (4) In deciding how '0NN' codes should be used in any particular situation, the Authority may consult with an advisory committee, for example the NAC, on an ad hoc basis or convened expressly for this purpose, and may take into account the following factors:
  - (a) areas likely to be affected by number shortages;
  - (b) anticipated growth in demand for numbers;
  - (c) demographic and business trends;
  - (d) tariff and other market developments;
  - (e) the existence of "communities of interest";
  - (f) the need for efficient utilization of numbering resources; and
  - (g) any representations received on behalf of local communities.

**PART B****PUBLIC SWITCHED TELEPHONE NETWORKS****B1 NUMBERING EFFICIENCY**

- (1) Where practicable, numbers shall be used at all times in the most economical manner possible.
- (2) For numbers mentioned in SCHEDULE 3, a practical utilization level of 75% shall be required for existing number blocks that are not pooled numbers, prior to any subsequent allocation of additional number blocks. The degree of usage shall be calculated as follows:

$$\text{degree of usage} = \frac{\begin{array}{l} \text{total quantity of numbers used by customers within a local geographic precinct} \\ \text{(area of local geographic significance)} \end{array}}{\text{total quantity of numbers issued in the same geographic area}} \times 100$$

**B2 UNIT SIZE**

- (1) The units in which number blocks that are not pooled numbers may be allocated to operators are:

<b>Geographic numbers</b>	For numbers mentioned in SCHEDULE 3— a block of 1,000 numbers
	For numbers <u>not</u> mentioned in SCHEDULE 3—a block of 10,000 numbers
<b>Access codes</b>	Individually
<b>Non-geographic services numbers of 10 digits</b>	a block of 10,000 numbers
<b>Non-geographic services numbers not of 10 digits</b>	Individually

- (2) If a unit size has not been mentioned in SUBSECTION (1) for the allocation of a type of number, the Authority may determine, in writing:
- (a) a unit size for the number; or

- (b) a unit size that is appropriate for the number in circumstances mentioned in the determination.
- (3) A unit size determined under SUBSECTION (2) for a number must be consistent with the number analysis capabilities of telecommunications networks operated in South Africa.
- (4) Assignment of an amount of numbers greater than the unit size  
Assignment greater than the unit size shall be justified by market need or other special factors.

---

### **B3 IN-SERVICE DATE**

- (1) Numbers assigned to access codes and non-geographic services shall be in service within a reasonable time after assignment.

---

### **B4 OTHER LICENCED OPERATORS**

- (1) The Authority may assign an initial supply of numbers to Other Licensed Operators (OLO). This may be on the basis of the normal predicted growth of new customers for a period of two years from the commencement date of the Licence. Thereafter numbers may be assigned to OLOs in accordance with the Numbering Conventions of SECTION 5.3.

**PART C****PUBLIC LAND MOBILE NETWORKS****C1 PRIMARY ASSIGNMENT**

- (1) Each network operator has been assigned an initial supply of 10 million numbers, viz. '082', '083' and '084' ranges. The assignment of additional ranges shall be linked in subsequent applications to evidence of the degree of utilization of the numbers already assigned and the market need for further assignment.
- (2) The '0721' and '0722' ranges have been allocated to Vodacom and '0731' and '0732' ranges to MTN subject to the proviso that numbers are for exclusive use with Pre-Paid customers.

**C2 NUMBERING EFFICIENCY**

- (1) The assignment of a number must, if practicable, lead to the efficient use of the number.
- (2) The assignment of short codes, other than to emergency services and for internal network purposes, shall be restricted to less than ten percent (10%) of the total quantity of numbers issued by primary assignment. To facilitate numbering efficiency, the Authority recommends that operators restrict short codes to a single range within the allocated numbering space, viz. The '0821', '0831' and '0841' ranges.

**(3) Level Of Utilization**

- (a) The level of utilization is computed by the formula-

$$\text{degree of usage} = \frac{\text{total quantity of numbers used by customers or used for internal network purposes}}{\text{total quantity of numbers issued by primary assignment}} \times 100$$

- (b) Any level of utilization greater than seventy-five percent (75%) should be regarded as reasonable justification of the need for an additional number range, although this factor should not be regarded on its own as an automatic trigger for the additional assignment.

**(4) Factors to be considered by the Authority**

- (a) In any application for an additional number range the Authority shall consider:

- (i) Projected customer demand for numbers. In particular, demand projections over the next 12 to 18 months should be taken into account together with any seasonal patterns of demand that argue for assignment of a quantity greater than the unit size.
- (ii) Level of utilization as contemplated in CONVENTION C2(3)
- (iii) Reasonable inventory of numbers in secondary and tertiary stages of management. This takes account of an applicants' need to maintain a reasonable inventory of numbers in order to meet fluctuations in customer demand, and the market structure for the particular service. The more vertical levels there are in the management process before a number is issued to an end user, for example operator -to- service provider -to- dealer -to- customer, the more inventories of numbers that may be needed and the greater may be the need for numbers by the applicant. The number of vertical levels in the numbering assignment process should be kept to a minimum and the direct assignment to end-users should be encouraged.
- (iv) International trends and benchmarks.
- (v) Convergence of fixed and mobile networks.
- (vi) Other special factors. Initially, mobile cellular operators have been forced to continue to utilize their 08x ranges for the implementation of special services and short codes. Until a common range of numbers is accessible to all operators (for example '11X' to '19X' ranges), it may be extremely difficult for the mobile cellular operators to obtain high utilization efficiency of the affected number sub-ranges, which are utilized to support special services and short codes.

#### (5) Withholding Assignment of Additional Numbers

- (a) The Authority may reserve the right to withhold the assignment of additional numbers if the utilization rate for numbers held by primary assignment is less than the specified threshold specified in convention C2(3).

---

### C3 UNIT SIZE

- (1) The unit size for the primary assignment of numbers is one (1) million numbers.
- (2) Assignment of an amount of numbers greater than the unit size  
Assignment greater than the unit size shall be justified by market need or other special factors.

---

### C4 IN-SERVICE DATE

- (1) Numbers assigned to mobile services shall be in service within a reasonable time after assignment.



SCHEDULES**SCHEDULE 1 - NON-GEOGRAPHIC SERVICE CODES**

<b>NON-GEOGRAPHIC SERVICE CODES</b>			
Column 1 Number prefix	Column 2 Type of service	Column 3 Number structure	Column 4 Special arrangements about use of the number after a particular date (if any)
<b>11</b>	Community services and Mass dialling	3, 4, 5, 6, 7, 8, 9 or 10 digit number	
<b>112</b>	National emergency	3 digit number	
<b>119</b>	Telkom Maxinet (presently '089')	10 digit number	Available for use after 08 May 2002
<b>12</b>	Operator services	3, 4, 5, 6, 7, 8, 9 or 10 digit number	
<b>13</b>	Local rate services	6, 8 or 10 digit number	
<b>14</b>	Service provider access & pre- selection override codes	4 digit number	
<b>15</b>	UPT	10 digit number	
<b>18</b>	Special network services	6, 8 or 10 digit number	
<b>19</b>	Premium rate services	6, 8 or 10 digit number	
<b>080</b>	Telkom Freecall	10 digit number	

7. NON-GEOGRAPHIC SERVICE CODES			
Column 1 Number prefix	Column 2 Type of service	Column 3 Number structure	Column 4 Special arrangements about use of the number after a particular date (if any)
<b>081</b>	Interim GMPCS	10 digit number	Not for use after 08 May 2002
<b>082</b>	Vodacom	10 digit number <sup>17</sup>	
<b>083</b>	MTN	10 digit number <sup>18</sup>	
<b>084</b>	3 <sup>rd</sup> Cell	10 digit number <sup>19</sup>	
<b>086</b>	Telkom Inbound call services	10 digit number	
<b>088</b>	Paging	10 digit number	
<b>089</b>	Telkom Maxinet <sup>20</sup>	10 digit number	Not for use after 08 May 2002
<b>0721</b>	Vodacom Prepaid	10 digit number	
<b>0722</b>	Vodacom Prepaid	10 digit number	
<b>0723</b>	Vodacom Prepaid	10 digit number	
<b>0724</b>	Vodacom Prepaid	10 digit number	
<b>0731</b>	MTN Prepaid	10 digit number	
<b>0732</b>	MTN Prepaid	10 digit number	

<sup>17</sup> May be expanded to access special mobile cellular services, e.g. facsimile. Short codes may be used in the 0821 level.

<sup>18</sup> May be expanded to access special mobile cellular services, e.g. facsimile. Short codes may be used in the 0831 level.

<sup>19</sup> May be expanded to access special mobile cellular services, e.g. facsimile. Short codes may be used in the 0841 level.

<sup>20</sup> Telkom Maxinet will migrate to the new designated code by 08 May 2002. Thereafter code '089' shall be available for GMPCS.

**SCHEDULE 2 - GEOGRAPHIC NUMBERS**

<b>GEOGRAPHIC NUMBERS</b>			
Column 1 Area code	Column 2 Area or Charging zone	Column 3 National number structure	Column 4 Special arrangements about use of the number after a particular date (if any)
<b>(013)</b>	Nelspruit/ Witbank/ Middelburg	(013) area code followed by 7 digit customer number	
<b>(014)</b>	Nylstroom/ Rustenburg	(014) area code followed by 7 digit customer number	
<b>(015)</b>	Pietersburg/ Potgietersrus/ Louis Trichardt	(015) area code followed by 7 digit customer number	
<b>(016)</b>	Vereeniging/ Meyerton	(016) area code followed by 7 digit customer number	
<b>(017)</b>	Secunda/ Ermelo/ Standerton	(017) area code followed by 7 digit customer number	
<b>(018)</b>	Potchefstroom/ Klerksdorp/ Mmabato	(018) area code followed by 7 digit customer number	
<b>(020)</b>	Beaufort West	(020) area code followed by 7 digit customer number	Not for use after 01 April 2004
<b>(022)</b>	Malmesbury/ Picketburg	(022) area code followed by 7 digit customer number	
<b>(023)</b>	Worcester/ Beaufort Wset	(023) area code followed by 7 digit customer number	
<b>(026)</b>	Piketberg	(026) area code followed by 7 digit customer number	Not for use after 01 April 2004
<b>(027)</b>	Vredendal/ Springbok	(027) area code followed by 7 digit customer number	
<b>(028)</b>	Caledon/ Swellendam	(028) area code followed by 7 digit customer number	

<b>GEOGRAPHIC NUMBERS</b>			
Column 1 Area code	Column 2 Area or Charging zone	Column 3 National number structure	Column 4 Special arrangements about use of the number after a particular date (if any)
<b>(032)</b>	Stanger/ Verulam/Tongaat/ Cato Ridge	(032) area code followed by 7 digit customer number	
<b>(033)</b>	Pietermaritzburg	(033) area code followed by 7 digit customer number	
<b>(034)</b>	Newcastle	(034) area code followed by 7 digit customer number	
<b>(035)</b>	Empangeni	(035) area code followed by 7 digit customer number	
<b>(036)</b>	Ladysmith	(036) area code followed by 7 digit customer number	
<b>(039)</b>	Port Shepstone	(039) area code followed by 7 digit customer number	
<b>(040)</b>	Bisho	(040) area code followed by 7 digit customer number	Not for use after 01 April 2004
<b>(042)</b>	Uitenhage/ Somerset East	(042) area code followed by 7 digit customer number	Not for use after 01 April 2004
<b>(043)</b>	East London	(043) area code followed by 7 digit customer number	
<b>(044)</b>	George	(044) area code followed by 7 digit customer number	
<b>(045)</b>	Bisho	(045) area code followed by 7 digit customer number	Not for use after 01 April 2004
<b>(046)</b>	Uitenhage/ Port Alfred/ Grahamstown	(046) area code followed by 7 digit customer number	Not for use after 01 April 2004
<b>(047)</b>	Umtata	(047) area code followed by 7 digit customer number	

<b>GEOGRAPHIC NUMBERS</b>			
Column 1 Area code	Column 2 Area or Charging zone	Column 3 National number structure	Column 4 Special arrangements about use of the number after a particular date (if any)
<b>(048)</b>	Uitehage/ Cradock	(048) area code followed by 7 digit customer number	Not for use after 01 April 2004
<b>(049)</b>	Middelburg/ Graaff-Reinet	(049) area code followed by 7 digit customer number	Not for use after 01 April 2004
<b>(052)</b>	Bultfontein	(052) area code followed by 7 digit customer number	Not for use after 01 April 2004
<b>(053)</b>	Kimberley	(053) area code followed by 7 digit customer number	
<b>(054)</b>	Upington	(054) area code followed by 7 digit customer number	
<b>(056)</b>	Kroonstad	(056) area code followed by 7 digit customer number	
<b>(057)</b>	Welkom	(057) area code followed by 7 digit customer number	
<b>(058)</b>	Bethlehem	(058) area code followed by 7 digit customer number	
<b>(059)</b>	Marydale	(059) area code followed by 7 digit customer number	Not for use after 01 April 2004

**SCHEDULE 3 - NUMBERS OF GEOGRAPHIC SIGNIFICANCE****PART 1 - NUMBERS OF LOCAL GEOGRAPHIC SIGNIFICANCE**

Maps showing the boundaries of geographic sectors for a metropolitan area are included after the table that sets out the sectors and associated numbers for the metropolitan area.

**Gauteng Central Metropolitan Exchange Area**

New area code overlay '010'

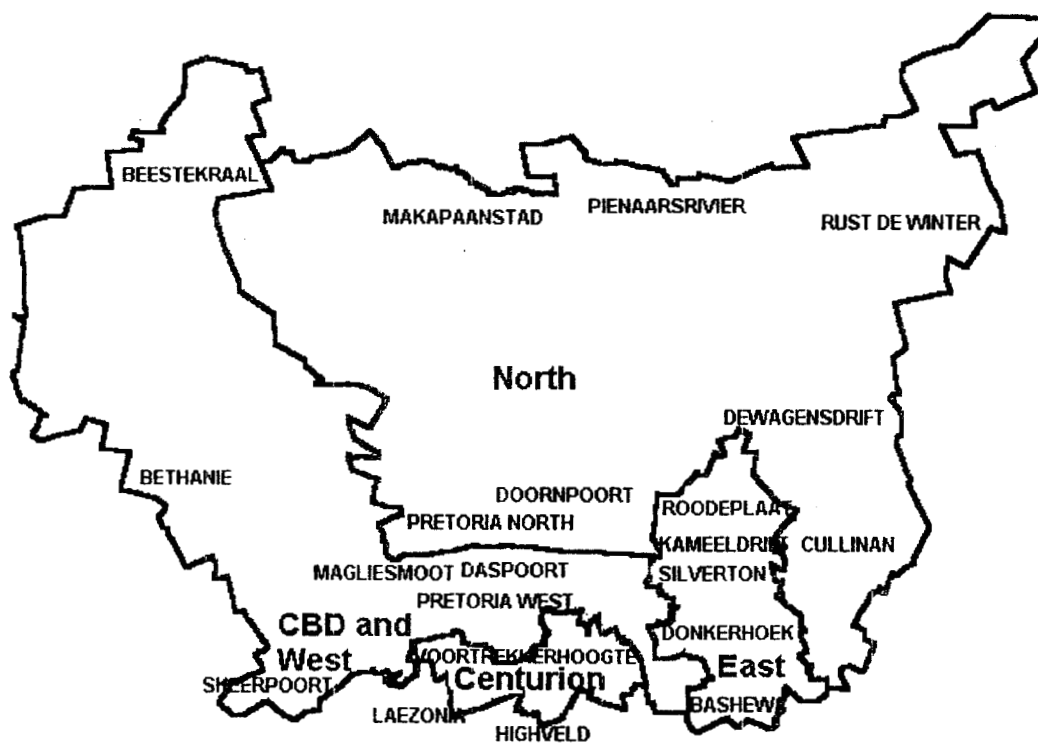
Sector or area	Numbers in sector or area
Johannesburg CBD sector	Numbers starting with (010) 2, (010) 3
North rand sector	Numbers starting with (010) 4, (010) 5
West rand sector	Numbers starting with (010) 6, (010) 7
East rand sector	Numbers starting with (010) 8, (010) 9

**Map Of Gauteng Central Sectors**

## Pretoria Metropolitan Exchange Area

Sector or area	Numbers in sector or area
Pretoria CBD sector & Pretoria West sector	Numbers starting with (012) 2, (012) 3, (012) 4
Pretoria North sector	Numbers starting with (012) 5, (012) 7
Centurion sector	Numbers starting with (012) 6
Pretoria East sector	Numbers starting with (012) 8, (012) 9

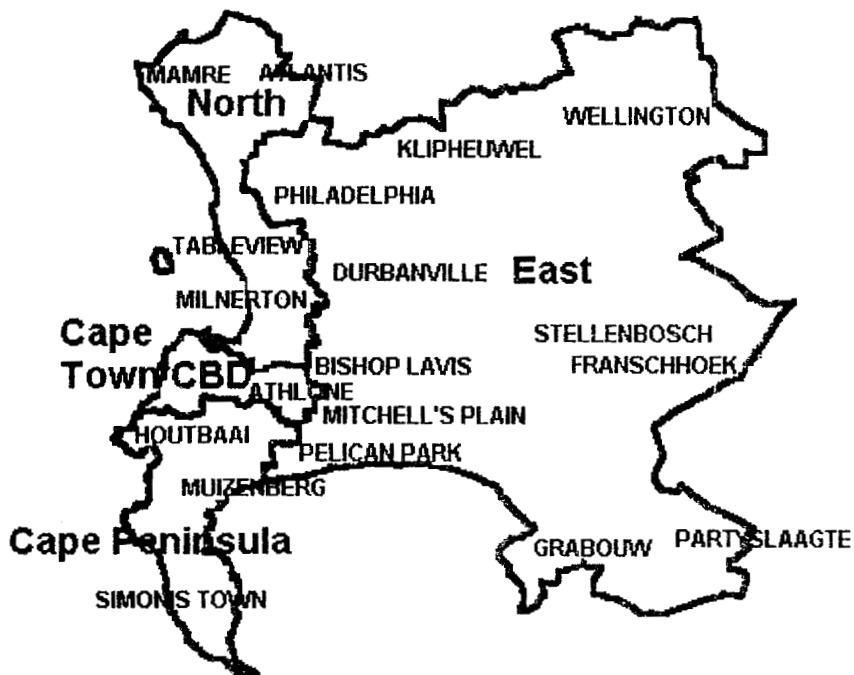
### Map of Pretoria MEA Sectors



## Cape Town Metropolitan Exchange Area

Sector or area	Numbers in sector or area
Cape Town CBD sector	Numbers starting with (021) 4, (021) 6
North sector	Numbers starting with (021) 5,
Cape Peninsula sector	Numbers starting with (021) 7
East sector	Numbers starting with (021) 3, (021) 8, (021) 9

Map of Cape Town MEA Sectors





## Durban Metropolitan Exchange Area

Sector or area	Numbers in sector or area
Durban Central sector	Numbers starting with (031) 2, (031) 3, (031) 4
Durban North sector	Numbers starting with (031) 5, (031) 8
Kloof/ Pinetown sector	Numbers starting with (031) 7
Amanzimtoti sector	Numbers starting with (031) 9

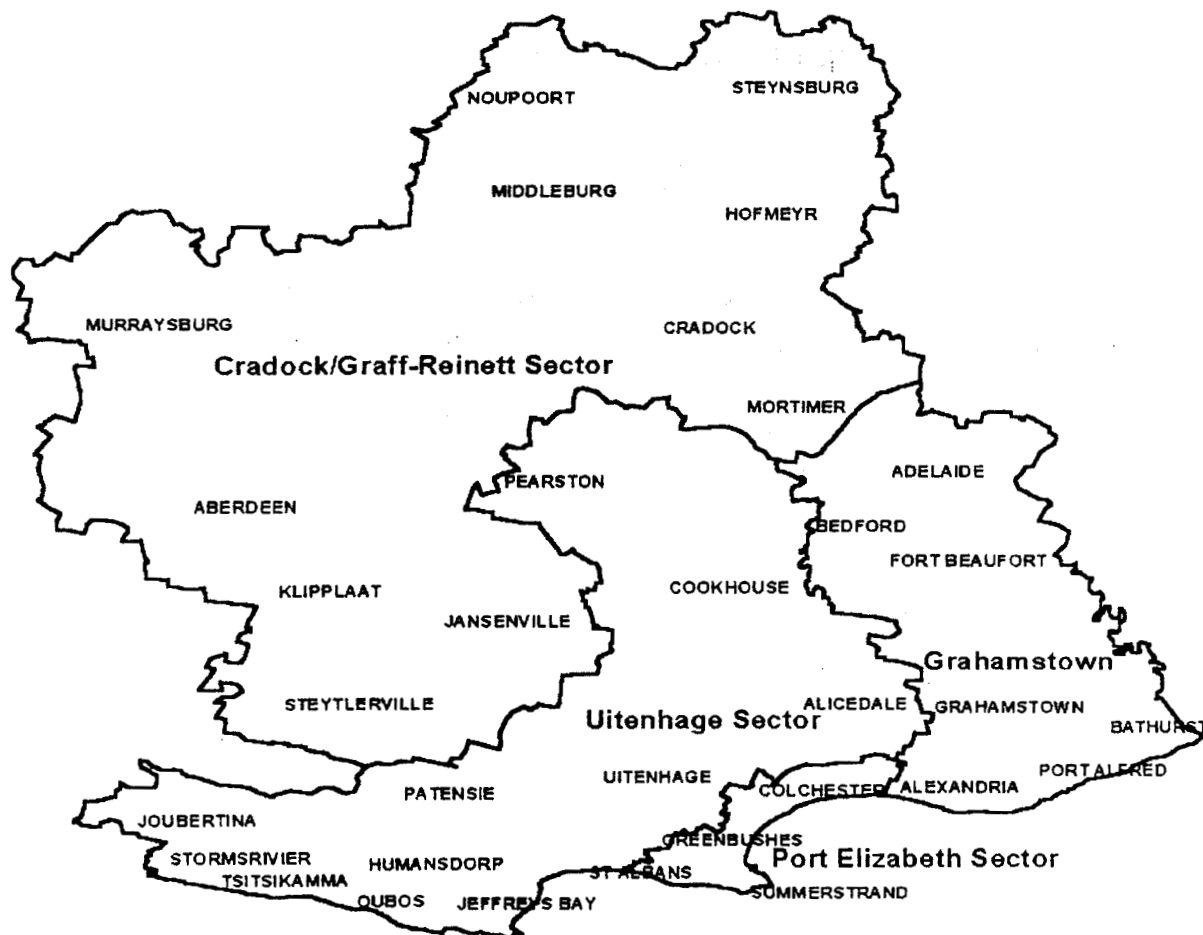
**Map of Durban MEA Sectors**



## Port Elizabeth Metropolitan Exchange Area

Sector or area	Numbers in sector or area
Port Elizabeth Central sector	Numbers starting with (041) 3, (041) 4, (041) 5
Uitenhage sector	Numbers starting with (041) 2, (041) 9
Cradock/ Graaff-Reinet sector	Numbers starting with (041) 8
Grahamstown	Numbers starting with (041) 6

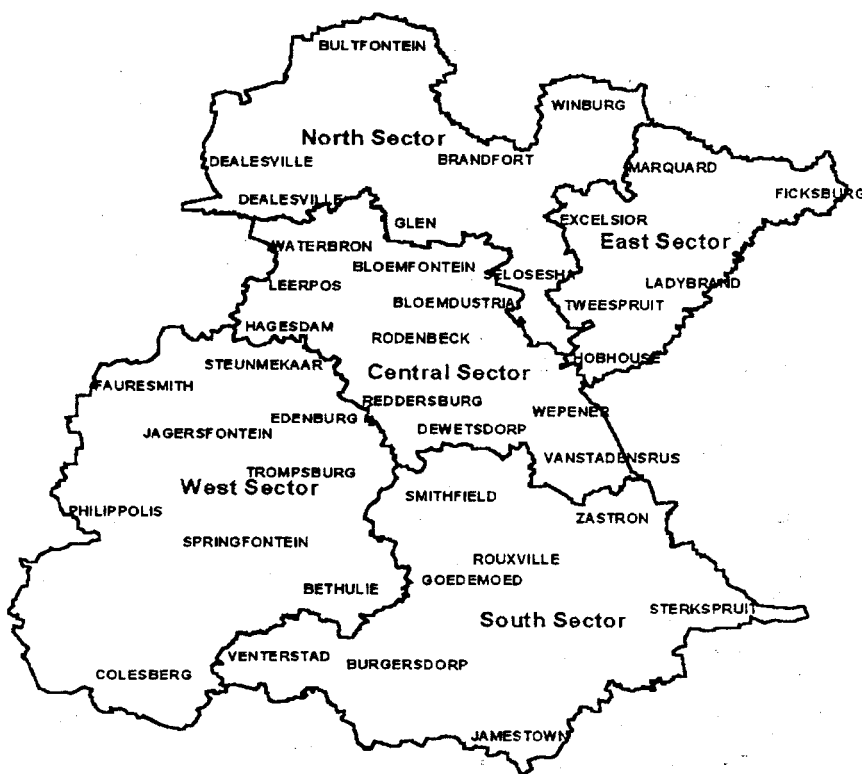
**Map of Port Elizabeth MEA Sectors**



## Bloemfontein Metropolitan Exchange Area

Sector or area	Numbers in sector or area
Bloemfontein Central sector	Numbers starting with (051) 2, (051) 3, (051) 4, (051) 5
North sector	Numbers starting with (051) 8
South sector	Numbers starting with (051) 6
West sector	Numbers starting with (051) 7
East sector	Numbers starting with (051) 9

### Map of Bloemfontein MEA Sectors



**PART 2 - NUMBERS OF BROAD GEOGRAPHIC SIGNIFICANCE**

Numbers of broad geographic significance may be allocated in the multi-exchange areas mentioned in the following table. The numbers to be allocated in each geographic sector are also shown in the table.

MEA	Broad geographic significance
Gauteng central	Numbers starting with (010) 0, (011) 0
Pretoria	Numbers starting with (012) 0
Cape Town	Numbers starting with (021) 0
Durban	Numbers starting with (031) 0
Port Elizabeth	Numbers starting with (041) 0
Bloemfontein	Numbers starting with (051) 0

**SCHEDULE 4 - ABC CODE RANGES RESERVED FOR FUTURE USE****Gauteng Central Area**

<b>011</b>			
201	531	588	995
202	532	589	996
214	533	590	997
215	534	591	
216	535	592	
217	537	593	
218	538	594	
219	539	595	
246	540	596	
271	541	597	
273	542	598	
274	543	599	
276	544	604	
277	545	657	
278	546	661	
361	547	666	
369	548	667	
372	549	669	
375	550	690	
379	551	691	
381	552	694	
388	553	695	
418	554	697	
429	556	699	
431	557	731	
479	558	732	
501	559	745	
503	560	746	
504	561	758	
505	562	759	
506	563	772	
507	564	785	
508	565	840	
509	566	841	
510	567	842	
511	568	843	
512	569	844	
513	570	847	
514	571	848	

<b>011</b>			
515	572	853	
516	573	856	
517	574	858	
518	575	870	
519	576	891	
520	577	895	
521	578	911	
522	579	912	
523	580	919	
524	581	944	
525	582	959	
526	583	990	
527	584	991	
528	585	992	
529	586	993	
530	587	994	

### North Eastern Area

<b>012</b>	<b>013</b>	<b>014</b>	<b>015</b>	<b>016</b>	<b>017</b>	<b>018</b>
200	200	200	201	200	200	200
201	201	201	202	201	201	201
202	202	202	203	202	202	202
203	203	203	204	203	203	203
204	205	204	205	204	204	204
206	206	205	206	205	205	205
208	207	206	207	206	206	206
209	208	207	208	207	207	207
210	209	208	209	208	208	208
211	210	209	210	209	209	209
212	211	210	211	210	220	210
213	212	211	212	211	221	211
214	213	212	213	212	222	212
215	215	213	214	213	223	213
216	217	214	215	214	224	214
217	220	215	216	215	225	215
218	221	216	217	216	226	216
219	222	217	218	217	227	217
221	223	218	219	218	228	218
222	224	219	220	219	229	219
223	225	220	222	220	230	220
224	226	221	240	221	231	221

012	013	014	015	016	017	018
230	227	222	241	222	232	222
231	228	223	242	223	233	223
232	229	224	243	224	234	224
233	232	225	244	225	235	225
234	233	226	245	226	236	226
235	239	227	246	227	237	227
236	258	228	247	228	238	228
237	259	229	248	229	239	229
238	270	230	249	230	240	230
239	274	231	260	231	241	231
240	275	232	261	232	242	232
245	276	233	262	233	243	233
246	277	234	264	234	244	234
247	278	235	265	235	245	235
248	279	236	270	236	246	236
249	280	237	271	237	247	237
262	281	238	272	238	248	238
263	284	239	273	239	249	239
264	285	240	274	240	250	240
265	286	241	275	241	251	241
266	287	242	277	242	252	242
267	288	243	278	243	253	243
268	289	244	279	244	254	244
269	290	245	280	245	255	245
271	299	247	281	246	256	246
272	300	248	282	247	257	247
273	301	249	283	248	258	248
274	302	253	284	249	259	249
275	303	254	285	250	260	250
276	304	255	286	251	261	251
278	305	256	301	252	262	252
279	306	257	313	253	263	253
280	307	258	314	254	264	254
281	308	260	315	255	265	255
282	309	263	316	256	266	256
283	310	264	317	257	267	257
284	311	265	319	258	268	258
285	312	266	320	259	269	259
286	313	267	321	260	270	260
287	314	268	322	261	271	261
288	315	269	323	262	272	262
289	316	270	324	263	273	263
290	317	271	325	264	274	267

012	013	014	015	016	017	018
291	318	272	326	265	275	268
292	319	273	327	266	276	269
293	320	274	329	267	277	270
294	321	275	330	268	278	271
295	322	276	331	269	279	272
296	323	277	332	270	280	273
297	324	278	333	271	281	274
298	325	279	334	272	282	275
299	326	280	335	273	283	276
356	327	281	336	274	284	277
357	328	282	337	275	285	278
358	329	283	338	276	286	279
359	330	284	339	277	287	300
382	331	285	340	278	288	301
383	332	286	341	279	289	302
384	333	287	342	280	290	303
388	334	288	343	281	291	304
389	335	289	344	282	292	305
391	336	290	346	283	293	306
392	337	291	347	284	294	307
393	338	292	348	285	295	308
394	339	293	349	286	296	309
395	340	294	350	287	297	310
396	341	295	351	288	298	311
397	342	296	352	289	299	312
400	343	297	353	290	300	313
405	344	298	354	291	301	314
406	345	299	356	292	302	315
407	346	300	357	293	303	316
408	347	301	358	294	304	317
409	348	302	359	295	305	318
410	349	303	360	296	306	319
411	350	304	361	297	307	320
412	351	305	362	298	308	321
413	352	306	364	299	309	322
414	353	307	365	300	310	323
415	354	308	366	301	311	324
416	355	309	367	302	312	325
417	356	310	368	303	313	326
418	357	311	369	304	314	327
419	358	312	370	305	315	328
423	359	313	371	306	316	329
424	360	314	372	307	317	330



012	013	014	015	016	017	018
425	361	315	373	308	318	340
451	362	316	374	309	319	341
452	363	317	375	310	320	342
453	364	318	376	311	321	343
454	365	319	377	312	322	344
455	366	320	378	313	323	345
456	367	321	379	314	324	346
457	368	322	380	315	325	347
458	369	323	381	316	326	348
459	370	324	382	317	327	349
470	371	325	384	318	328	350
471	372	326	385	319	329	355
472	373	327	387	320	330	356
473	374	328	388	321	331	357
474	375	329	389	322	332	358
475	376	330	390	323	333	359
476	377	331	391	324	334	370
477	378	332	392	325	335	371
478	379	333	393	326	336	372
479	380	334	394	327	337	373
485	381	335	396	328	338	374
486	382	336	398	329	339	375
487	383	337	399	330	340	376
488	384	338	400	331	341	377
489	385	339	401	332	342	378
490	386	340	402	333	343	379
491	387	341	403	334	344	400
492	388	342	404	335	345	401
493	389	343	405	336	346	402
494	390	344	406	337	347	403
495	391	345	407	338	348	404
496	392	346	408	339	349	405
497	393	347	410	344	350	407
498	394	348	411	345	351	408
499	395	349	412	346	352	409
500	396	350	414	347	353	410
501	397	351	415	348	354	411
502	398	352	416	350	355	412
503	399	353	417	352	356	413
505	400	354	419	353	357	414
506	401	355	420	354	358	415
507	402	356	421	355	359	416
508	403	357	422	356	360	417

012	013	014	015	016	017	018
509	404	358	427	357	361	418
510	405	359	428	358	362	419
511	406	360	429	359	363	420
512	407	361	430	367	364	421
513	408	362	431	368	365	422
514	409	363	432	369	366	423
515	410	364	433	373	367	424
516	411	365	434	374	368	425
517	412	366	435	376	369	426
518	413	367	436	377	370	427
519	414	368	437	378	371	428
523	415	369	438	379	372	429
524	416	370	439	380	373	430
525	417	371	440	381	374	433
526	418	372	441	382	375	434
527	419	373	443	383	376	435
528	420	374	444	384	377	436
530	421	375	445	385	378	437
532	422	376	446	386	379	438
533	423	377	447	387	380	439
534	424	378	448	388	381	440
535	425	379	449	389	382	442
536	426	380	450	390	383	443
537	427	381	451	391	384	444
538	428	382	452	392	385	445
539	429	383	454	393	386	446
566	430	384	455	394	387	447
569	431	385	456	395	388	448
570	432	386	457	396	389	449
571	433	387	458	397	390	450
572	434	388	459	398	391	452
573	435	389	460	399	392	453
574	436	390	461	400	393	454
575	437	391	462	401	394	455
576	438	392	463	402	395	456
577	439	393	464	403	396	457
578	440	394	465	404	397	458
579	441	395	466	405	398	459
580	442	396	467	406	399	470
581	443	397	468	407	400	471
582	444	398	469	408	401	472
583	445	399	470	409	402	474
584	446	400	471	410	403	475

012	013	014	015	016	017	018
585	447	401	472	411	404	480
586	448	402	473	412	405	481
587	449	403	474	413	406	483
588	450	404	475	414	407	485
589	451	405	476	415	408	486
590	452	406	477	416	409	488
591	453	407	478	417	410	490
592	454	408	479	418	411	491
593	455	409	480	419	412	492
594	456	410	481	426	413	493
595	457	411	482	431	414	494
596	458	412	484	432	415	495
597	459	413	486	433	416	496
598	460	414	487	434	417	497
599	461	415	488	435	418	498
601	462	416	489	436	419	499
602	463	417	490	437	430	500
603	464	418	493	438	431	501
604	465	419	494	439	432	502
605	466	420	495	441	433	503
606	467	421	496	442	434	504
607	468	422	497	443	435	505
608	469	423	498	444	436	506
609	470	424	499	445	437	507
610	471	425	500	446	438	508
611	472	426	502	447	439	509
612	473	427	503	448	450	510
613	474	428	504	449	451	511
614	475	429	506	452	452	512
615	476	430	507	453	453	513
616	477	431	508	456	454	514
617	478	432	509	458	455	515
618	479	433	510	459	456	516
619	480	434	511	460	457	517
621	481	435	512	461	458	518
622	482	436	513	462	459	519
623	483	437	514	463	460	520
624	484	438	518	464	461	521
625	485	439	521	465	462	522
626	486	440	522	466	463	523
627	487	441	523	467	464	524
628	488	442	524	468	465	525
629	489	443	525	469	466	526

012	013	014	015	016	017	018
630	490	444	528	470	467	527
631	491	445	529	471	468	528
632	492	446	531	472	469	529
633	493	447	532	473	470	530
634	494	448	535	474	471	531
635	495	449	536	475	472	532
636	496	450	537	476	473	533
637	497	453	538	477	474	534
638	498	454	541	478	475	535
639	499	455	542	479	476	536
640	500	456	543	480	477	537
641	501	457	544	481	478	538
642	502	458	545	482	479	539
645	503	459	546	483	480	540
646	504	460	547	484	481	541
647	505	461	548	485	482	542
648	506	462	549	486	483	543
649	507	463	550	487	484	544
680	508	464	551	488	485	545
682	509	465	552	489	486	546
683	510	466	553	490	487	547
684	511	467	554	491	488	548
685	512	468	555	492	489	549
686	513	469	557	493	490	550
687	514	470	558	494	491	551
688	515	473	559	495	492	552
689	516	474	560	496	493	553
690	517	475	561	497	494	554
691	518	476	562	498	495	555
692	519	477	563	499	496	556
693	520	478	564	500	497	557
694	521	479	565	501	498	558
695	522	480	566	502	499	559
696	523	481	567	503	500	560
697	524	482	568	504	501	561
698	525	483	569	505	502	562
699	526	484	572	506	503	563
705	527	485	574	507	504	564
707	528	486	576	508	505	565
720	529	487	578	509	506	566
721	530	488	579	510	507	567
727	531	489	580	511	508	568
728	532	490	586	512	509	569

012	013	014	015	016	017	018
730	533	493	587	513	510	570
731	534	494	588	514	511	573
733	535	495	589	515	512	574
737	536	496	590	516	513	575
738	537	497	591	517	514	576
739	538	498	592	518	515	577
740	539	499	595	519	516	578
741	540	500	596	520	517	579
742	541	501	597	521	518	580
743	542	502	598	522	519	582
744	543	507	599	523	520	583
745	544	508	601	524	521	584
746	545	509	602	525	522	585
747	546	510	603	526	523	586
748	547	511	604	527	524	587
749	548	512	605	528	525	588
750	549	513	606	529	526	589
751	550	514	607	530	527	590
752	551	515	608	531	528	591
753	552	516	609	532	529	592
754	553	517	610	533	530	593
755	554	518	611	534	531	594
756	555	519	612	535	532	599
757	556	521	613	536	533	601
758	557	524	614	537	534	602
759	558	525	621	538	535	603
760	559	526	623	539	536	604
761	560	527	624	540	537	605
762	561	528	625	541	538	606
763	562	529	626	542	539	607
764	563	530	627	543	540	608
765	564	531	628	544	541	609
766	565	532	629	545	542	610
767	566	539	630	546	543	611
768	567	540	631	547	544	612
769	568	541	636	548	545	613
770	569	542	637	549	546	614
771	570	546	638	550	547	615
772	571	547	639	551	548	616
773	572	548	640	552	549	617
774	573	560	641	553	550	618
775	574	561	643	554	551	619
776	575	562	644	555	552	620

012	013	014	015	016	017	018
777	576	563	645	557	553	621
778	577	564	646	558	554	622
779	578	570	647	559	555	623
780	579	575	648	560	556	624
781	580	579	649	561	557	625
783	581	580	650	562	558	626
784	582	581	652	563	559	627
785	583	582	654	564	560	628
786	584	583	655	565	561	629
787	586	584	656	566	562	635
788	587	585	657	567	563	636
789	588	586	658	568	564	638
816	589	587	659	569	565	639
817	590	588	660	570	566	640
818	591	589	661	571	567	641
819	592	610	664	572	568	647
820	593	611	665	573	569	649
821	594	612	666	574	570	650
822	595	613	668	575	571	651
823	596	614	669	576	572	652
824	597	615	670	577	573	654
825	598	616	671	578	574	655
826	599	617	672	579	575	656
827	601	618	673	580	576	657
828	602	619	674	584	577	658
829	603	620	675	585	578	659
830	604	621	676	586	579	660
831	605	622	677	587	580	661
832	606	623	678	588	581	662
833	607	624	679	589	582	663
834	608	625	680	595	583	664
835	609	626	681	597	584	665
836	610	627	682	598	585	666
837	611	628	683	599	586	667
838	612	629	684	601	587	668
839	613	630	685	602	588	669
843	614	631	686	603	589	670
844	615	632	687	604	590	671
846	616	633	688	605	591	672
847	617	634	689	606	592	674
848	618	635	690	607	593	675
849	619	636	691	608	594	676
850	620	637	692	609	595	677

012	013	014	015	016	017	018
851	621	638	693	610	596	678
852	622	639	694	611	597	679
853	623	640	695	612	598	680
854	624	641	696	613	599	681
855	625	642	697	614	601	682
856	626	643	698	615	602	685
857	627	644	699	616	603	686
858	628	645	700	617	604	687
859	629	646	701	618	605	688
860	630	647	702	619	606	689
861	631	648	703	620	607	690
862	632	649	704	621	608	691
863	633	660	705	622	609	692
864	634	661	706	623	621	693
865	635	662	707	624	622	694
866	636	663	708	625	623	695
867	637	664	709	626	625	696
868	638	665	710	627	626	697
869	639	666	711	628	627	698
870	640	667	712	629	628	699
871	641	668	713	630	633	702
872	642	669	714	631	635	703
873	644	670	715	632	636	704
874	651	671	716	633	637	705
875	654	672	717	634	641	706
876	660	673	718	635	642	707
877	662	674	719	636	643	708
878	663	675	720	637	644	709
879	664	676	721	638	645	710
880	666	677	722	639	649	711
881	669	678	723	640	650	712
882	670	679	724	641	651	713
883	671	690	725	642	652	714
884	672	691	726	643	653	715
885	673	692	727	644	654	716
886	674	693	728	645	655	717
887	675	694	729	646	656	718
888	676	695	730	647	657	719
889	677	695	731	648	658	720
890	678	696	732	649	659	721
890	678	697	732	649	659	721
891	679	698	733	650	660	722
892	681	699	734	651	661	723

012	013	014	015	016	017	018
893	700	700	735	652	662	724
894	701	701	736	653	663	725
895	702	702	737	654	664	726
896	703	703	738	655	665	727
897	704	704	739	656	666	728
898	705	705	740	657	667	729
899	706	706	741	658	668	730
900	707	707	742	659	669	731
901	709	708	743	670	670	732
902	711	709	744	671	671	733
903	713	710	745	672	672	734
904	714	711	746	673	673	735
905	715	712	747	674	674	736
906	716	713	748	675	675	737
907	717	714	749	676	676	738
908	718	720	750	677	677	739
909	720	722	751	678	678	740
910	721	723	752	679	679	741
911	722	724	753	680	680	742
912	724	725	754	681	681	743
913	725	726	755	682	682	744
914	727	727	756	683	684	745
915	728	728	757	684	690	746
916	729	729	758	685	691	747
917	730	731	759	686	692	748
918	731	732	760	687	693	749
919	732	737	761	688	694	750
920	736	740	762	689	695	751
921	738	741	763	690	696	752
922	739	742	764	691	697	753
923	740	744	765	692	698	754
924	742	745	766	693	699	755
925	743	746	767	694	710	756
926	746	747	768	695	711	757
927	749	748	770	696	713	758
928	761	750	771	697	715	759
929	762	751	772	698	716	760
930	763	752	773	699	717	761
931	765	753	774	700	718	762
932	766	756	775	701	721	763
933	770	757	776	702	722	764
934	771	758	777	703	723	766
935	772	759	778	704	724	767



012	013	014	015	016	017	018
936	776	760	779	705	725	768
937	779	761	782	706	726	769
938	783	762	784	707	728	775
939	784	770	788	708	729	776
940	786	771	790	709	731	777
941	789	773	792	710	732	791
942	800	774	794	711	733	792
943	801	775	796	712	736	793
944	802	776	797	713	737	794
945	803	780	798	714	738	795
946	804	781	800	715	739	796
947	805	782	801	716	740	797
948	806	783	803	717	741	798
949	807	788	805	718	742	799
950	808	789	806	719	743	800
951	809	790	807	720	744	801
952	810	791	808	721	745	802
953	811	793	809	722	746	803
954	812	794	810	723	747	804
955	813	795	813	724	748	805
956	814	796	815	725	750	806
957	815	797	816	726	751	807
958	816	798	817	727	752	808
959	817	799	818	728	754	809
960	818	800	819	729	755	810
961	819	801	820	730	756	811
962	820	802	821	731	757	812
963	821	803	822	732	758	813
964	822	804	823	733	759	814
965	823	805	824	734	760	815
967	824	806	825	735	761	816
968	825	807	826	736	762	817
969	826	808	827	737	763	818
970	827	809	828	738	764	819
971	828	810	829	739	765	820
972	829	811	840	740	766	821
973	830	812	841	741	767	822
974	831	813	842	742	768	823
975	832	814	843	743	769	824
976	833	815	844	744	770	825
977	834	816	845	745	771	826
978	835	817	846	746	772	827
979	836	818	847	747	774	828

012	013	014	015	016	017	018
980	837	819	848	748	775	829
981	838	820	849	749	776	830
982	839	821	850	750	777	831
983	840	822	855	751	780	832
984	841	823	856	752	781	833
985	842	824	857	753	782	834
986	843	825	858	754	783	835
987	844	826	859	755	784	836
988	845	827	860	756	786	837
989	846	828	861	757	787	838
990	847	829	862	758	788	839
992	848	830	863	759	789	840
994	849	831	864	760	790	841
999	850	832	865	761	791	842
	851	833	866	762	792	843
	852	834	867	763	794	844
	853	835	868	764	795	845
	854	836	869	765	796	846
	855	837	876	766	798	847
	856	838	877	767	800	848
	857	839	878	768	802	849
	858	840	879	769	803	850
	859	841	880	770	804	851
	860	842	881	771	805	852
	861	843	882	772	806	853
	862	844	883	773	807	854
	863	845	884	774	808	855
	864	846	885	775	809	856
	865	847	886	776	810	857
	866	848	887	777	812	858
	867	849	888	778	813	859
	868	850	889	779	814	860
	869	851	890	780	815	861
	870	852	891	781	816	862
	871	853	892	782	817	863
	872	854	893	783	822	864
	873	855	894	784	823	865
	874	856	895	785	828	866
	875	857	896	786	829	867
	876	858	897	787	830	868
	877	859	898	788	831	869
	878	860	899	789	832	870
	879	861	900	790	833	871

012	013	014	015	016	017	018
	880	862	901	791	834	872
	881	863	902	792	835	873
	882	864	903	793	836	874
	883	865	904	794	837	875
	884	866	905	795	838	876
	885	867	906	796	839	877
	886	868	907	797	840	878
	887	869	908	798	841	879
	888	870	909	799	842	880
	889	871	910	800	848	881
	890	872	911	801	849	882
	891	873	912	802	850	883
	892	874	913	803	851	884
	893	875	914	804	852	885
	894	876	915	805	853	886
	895	877	916	806	854	887
	896	878	917	807	855	888
	897	879	918	808	856	889
	898	880	919	809	857	890
	899	881	920	810	858	891
	900	882	921	811	859	892
	901	883	922	812	860	893
	902	884	923	813	862	894
	903	885	924	814	863	895
	904	886	925	815	864	896
	905	887	926	816	866	897
	906	888	927	817	867	898
	907	889	928	818	868	899
	908	890	929	819	869	900
	909	891	930	820	870	901
	910	892	931	821	871	902
	911	893	932	822	872	903
	912	894	933	823	873	904
	913	895	934	824	874	905
	914	896	935	825	875	906
	915	897	936	826	876	907
	916	898	937	827	877	908
	917	899	938	828	878	909
	918	900	939	829	879	910
	919	901	940	830	880	911
	920	902	941	831	890	912
	921	903	942	832	891	913
	922	904	943	833	892	914

012	013	014	015	016	017	018
	923	905	944	834	893	915
	924	906	945	835	894	916
	925	907	946	836	895	917
	927	908	947	837	896	918
	928	909	948	838	897	919
	929	910	949	839	898	920
	936	911	950	840	899	921
	938	912	951	841	900	922
	939	913	952	842	901	923
	940	914	953	843	902	924
	942	915	954	844	903	925
	949	916	955	845	904	926
	950	917	956	846	905	927
	951	918	958	847	906	928
	952	919	959	848	907	929
	953	920	978	849	908	930
	955	921	979	850	909	931
	956	922	980	851	910	932
	957	923	981	852	911	933
	958	924	982	853	912	934
	959	925	983	854	913	935
	960	926	984	855	914	936
	961	927	985	856	915	937
	962	928	986	857	916	938
	964	929	988	858	917	939
	965	930	989	859	918	940
	966	931	990	860	919	941
	967	932	991	861	920	942
	968	933	992	862	921	943
	969	934	993	863	922	944
	970	935	994	864	923	945
	971	936	995	865	924	946
	972	937	996	866	925	947
	979	938	997	867	926	948
	989	939	998	868	927	949
	990	940	999	869	928	950
	991	941		880	929	951
	992	942		881	930	952
	993	943		882	931	953
	994	944		883	932	954
	995	945		884	933	955
	997	946		885	934	956
	998	947		886	935	957

012	013	014	015	016	017	018
	999	948		887	936	958
		949		888	937	959
		950		890	938	960
		951		891	939	961
		952		892	940	962
		953		893	941	963
		954		894	942	964
		955		895	943	965
		956		896	944	966
		957		897	945	967
		958		898	946	968
		959		899	947	969
		960		900	948	970
		961		901	949	971
		962		902	950	972
		963		903	951	973
		964		904	952	974
		965		905	953	975
		966		906	954	976
		967		907	955	977
		968		908	956	978
		969		909	957	979
		970		911	958	980
		971		912	959	981
		972		913	960	982
		973		914	961	983
		974		915	962	984
		975		916	963	985
		976		917	964	986
		977		918	965	987
		978		919	966	988
		979		921	967	989
		980		922	968	990
		981		923	969	991
		982		924	970	992
		983		925	971	993
		984		926	972	994
		985		927	973	995
		986		928	974	996
		987		929	975	997
		988		934	976	998
		989		935	977	999
		990		936	978	

012	013	014	015	016	017	018
		991		937	979	
		992		938	980	
		993		939	981	
		994		941	982	
		995		942	983	
		996		943	984	
		997		944	985	
		998		945	986	
		999		946	987	
				947	988	
				948	989	
				949	990	
				951	991	
				952	992	
				953	993	
				954	994	
				955	995	
				956	996	
				957	997	
				958	998	
				959	999	
				961		
				962		
				963		
				964		
				965		
				966		
				967		
				968		
				969		
				975		
				977		
				978		
				979		
				990		
				991		
				992		
				993		
				994		
				995		
				996		
				997		
				998		

012	013	014	015	016	017	018
				999		

### Western Area

021	022	023	027	028
200	200	200	200	200
201	201	201	203	201
202	202	202	204	202
203	203	203	205	203
204	204	204	206	204
205	205	205	207	205
206	206	206	208	206
207	207	207	209	207
208	208	208	210	208
209	209	209	211	209
210	210	210	212	250
211	211	211	214	252
212	212	212	220	253
213	213	213	221	255
214	214	214	222	256
215	215	215	223	257
216	216	216	224	258
217	217	217	225	259
218	218	218	226	260
219	219	219	227	262
220	220	220	229	263
221	221	221	230	264
222	222	223	231	265
223	223	224	232	266
224	224	225	233	267
225	225	226	234	268
226	226	228	235	269
227	227	229	236	274
228	228	233	237	275
229	229	234	238	276
230	230	235	239	277
231	231	236	240	278
232	232	237	241	279
233	233	238	242	280
234	234	239	243	281
235	235	241	244	282
236	236	242	245	283
237	237	243	246	285

021	022	023	027	028
238	238	244	247	286
239	239	245	248	287
240	240	246	249	288
241	241	247	250	289
242	242	248	251	290
243	243	249	252	291
244	244	250	253	292
245	245	251	254	293
246	246	252	255	294
247	247	253	256	295
248	248	254	257	296
249	249	255	258	297
250	250	256	259	298
251	251	257	260	299
252	252	258	261	301
253	253	259	262	302
254	254	260	263	303
255	255	261	264	304
256	256	262	265	305
257	257	263	266	306
258	258	264	267	307
259	259	265	268	308
260	260	266	269	309
261	261	267	270	310
262	262	268	271	311
263	263	269	272	318
264	264	270	273	319
265	265	271	274	330
266	266	272	275	331
267	267	273	276	332
268	268	274	277	333
269	269	275	278	334
270	270	276	279	335
271	271	277	280	336
272	272	278	281	337
273	273	279	282	338
274	274	280	283	339
275	275	281	284	340
276	276	282	285	342
277	277	283	286	343
278	278	284	287	344
279	279	285	288	345
280	280	286	289	346



021	022	023	027	028
281	281	287	290	347
282	282	288	291	348
283	283	289	292	349
284	284	290	293	350
285	285	291	294	351
286	286	292	295	352
287	287	293	296	353
288	288	294	297	354
289	289	295	298	355
290	290	296	299	356
291	291	297	300	357
292	292	298	301	358
293	293	299	302	359
294	294	300	303	360
295	295	301	304	361
296	296	302	305	362
297	297	303	306	363
298	298	304	307	364
299	299	305	308	365
300	300	306	309	366
301	301	307	310	367
302	302	308	311	368
303	303	309	312	369
304	304	310	313	370
305	305	311	314	371
306	306	314	315	372
307	307	318	316	373
308	308	319	317	374
309	309	320	318	375
330	310	321	319	376
336	311	322	320	377
337	312	323	321	378
338	313	324	322	379
339	314	325	323	380
350	315	326	324	382
351	316	327	325	383
352	317	328	326	385
353	318	329	327	386
354	319	330	328	387
355	320	331	329	389
356	321	332	330	390
357	322	333	331	391
358	323	334	332	392

021	022	023	027	028
359	324	335	333	393
375	325	336	334	394
377	326	337	335	395
379	327	338	336	396
382	328	339	337	397
383	329	350	338	398
384	330	351	339	399
388	331	352	340	400
389	332	353	342	401
395	333	359	343	402
398	334	360	344	403
399	335	361	345	404
413	336	362	346	405
416	337	363	347	406
417	338	364	348	407
420	339	365	349	408
427	340	366	350	409
428	341	367	351	410
429	342	368	352	411
431	343	369	353	412
432	344	370	354	413
435	345	371	355	414
436	346	372	356	415
442	347	373	357	416
443	348	374	358	417
444	349	375	359	418
445	350	376	360	419
450	351	377	361	420
451	352	378	362	421
452	353	379	363	422
453	354	380	364	426
454	355	381	365	427
455	356	382	366	428
456	357	383	367	429
457	358	384	368	430
458	359	385	369	431
459	360	386	370	432
470	361	388	371	433
471	362	389	372	434
472	363	390	373	436
473	364	391	374	437
474	365	392	375	438
475	366	393	376	439

021	022	023	027	028
476	367	394	377	440
477	368	395	378	441
478	369	396	379	442
479	370	397	380	443
482	371	398	381	444
484	372	400	382	446
485	373	401	383	447
489	374	402	384	448
490	375	403	385	449
491	376	404	386	450
492	377	405	387	451
493	378	406	388	453
494	379	407	389	454
495	380	408	390	455
496	381	409	391	456
497	382	410	392	457
498	383	411	393	458
499	384	419	394	459
500	385	420	395	460
501	386	421	396	461
502	387	422	397	462
515	388	423	398	463
516	389	424	399	464
517	390	425	400	465
518	391	426	401	466
519	392	427	402	467
520	393	428	403	468
522	394	429	404	469
523	395	430	405	470
524	396	431	406	471
525	397	432	407	472
526	398	433	408	473
527	399	434	409	474
528	400	435	410	475
536	401	436	411	476
537	402	437	413	477
538	403	438	414	478
539	404	439	415	479
540	405	440	416	480
541	406	441	417	481
542	407	442	418	483
543	408	443	419	484
544	410	444	420	485

021	022	023	027	028
545	411	445	423	486
546	412	446	424	487
547	413	447	425	488
548	414	448	426	489
549	415	450	427	490
560	416	451	428	491
561	417	452	429	492
562	418	453	430	493
563	419	454	431	494
564	420	455	433	495
565	421	456	434	496
566	422	457	435	497
567	424	458	436	498
568	425	459	437	499
569	426	460	438	500
570	427	461	439	501
574	428	462	440	502
575	429	463	441	503
578	430	464	442	504
580	431	465	443	505
581	432	466	444	506
582	434	467	445	507
583	435	468	446	508
584	436	469	447	509
585	437	470	448	510
586	438	471	449	511
587	439	472	450	513
588	440	473	451	515
589	441	474	452	516
597	442	475	453	517
598	443	476	454	518
599	444	477	455	519
601	445	478	456	520
602	446	479	457	521
603	447	480	458	523
604	449	481	459	524
605	450	482	460	525
606	452	483	461	526
607	453	484	462	527
608	454	485	463	528
609	455	486	464	529
610	456	487	465	530
611	457	488	466	531

021	022	023	027	028
612	458	489	467	532
613	459	490	468	533
614	460	491	469	534
615	462	493	470	535
616	463	494	471	536
617	464	495	472	538
618	465	496	473	539
619	466	497	474	540
620	467	498	475	541
621	468	499	476	543
622	469	500	477	544
623	470	501	478	545
624	471	502	479	546
625	472	503	480	547
626	473	504	481	548
627	474	505	484	549
628	475	506	485	552
629	476	507	486	553
631	477	508	487	554
632	478	509	488	555
635	479	510	489	556
636	483	511	490	557
639	484	512	491	558
640	488	513	493	559
641	490	514	494	560
642	491	515	495	562
643	493	516	496	563
644	494	517	497	564
645	495	518	498	565
646	496	519	499	566
647	497	520	500	567
648	498	524	502	568
649	499	525	503	569
651	500	526	504	570
652	501	527	505	571
653	502	528	506	573
654	503	529	507	574
655	504	530	508	575
660	505	532	509	576
661	506	533	530	577
662	507	534	532	578
663	508	535	533	579
664	509	536	534	580

021	022	023	027	028
665	510	537	535	582
666	511	538	536	583
667	512	539	537	584
668	513	540	538	585
669	514	542	539	586
672	515	543	540	587
675	516	544	542	588
676	517	545	543	589
677	518	546	544	590
678	519	547	545	591
682	520	548	546	592
688	521	549	547	593
698	522	550	548	594
707	523	555	549	595
708	524	556	550	596
711	525	557	552	597
716	526	558	553	598
717	527	559	554	599
718	528	560	555	601
719	529	562	556	602
720	530	563	557	603
721	531	564	558	604
722	532	565	559	605
723	533	566	560	606
724	534	567	562	607
725	535	568	563	608
726	536	569	564	609
727	537	570	565	610
728	538	573	566	611
729	539	574	567	612
740	540	575	568	613
741	541	576	569	614
742	542	577	570	615
743	543	578	571	616
744	544	579	572	617
745	545	580	573	618
746	546	582	574	619
747	547	583	575	620
748	548	584	576	621
749	549	585	577	622
750	550	586	578	623
751	551	587	579	624
752	552	588	580	625

021	022	023	027	028
753	553	589	581	626
754	554	590	582	627
755	555	591	583	628
756	556	592	584	629
757	557	593	585	630
758	558	594	586	631
759	559	595	587	632
760	560	596	588	633
765	561	597	589	634
766	562	598	590	635
767	563	599	591	636
770	564	601	592	637
772	565	602	593	638
773	566	603	594	639
774	567	604	595	640
775	568	605	596	641
776	569	606	597	642
777	570	607	598	643
778	571	608	599	644
779	572	609	601	645
792	573	610	602	646
793	574	611	603	647
796	575	612	604	648
800	576	613	605	649
801	577	617	606	650
802	578	618	607	651
804	579	619	608	652
805	580	620	609	653
806	581	621	630	654
810	582	622	631	655
811	583	623	633	656
812	584	624	634	657
813	585	627	635	658
814	586	628	636	659
815	587	629	637	660
816	588	630	638	661
817	589	631	639	662
818	590	632	640	663
819	591	633	641	664
820	592	634	643	665
821	593	635	644	666
822	594	636	645	667
823	595	637	646	668

021	022	023	027	028
824	596	638	647	669
825	597	639	648	670
826	598	640	649	671
827	599	641	650	672
828	601	642	657	673
829	602	643	658	674
830	603	644	659	675
831	604	645	660	676
832	605	646	664	677
833	606	647	665	678
834	607	648	666	679
835	608	649	667	680
836	609	650	668	681
837	610	651	669	682
838	611	652	670	683
839	612	653	671	684
890	613	654	673	685
891	614	655	674	686
892	615	656	675	687
893	616	657	676	688
894	617	658	677	689
895	618	659	678	690
896	619	660	679	691
897	620	661	680	692
898	621	662	681	693
899	622	663	683	694
958	623	664	684	695
974	624	665	685	696
977	625	666	686	697
978	626	667	687	698
984	627	668	688	699
985	628	669	689	710
989	629	670	690	711
	630	671	691	712
	631	672	693	714
	632	673	694	715
	633	674	695	716
	634	675	696	717
	635	676	697	718
	636	677	698	719
	637	678	699	720
	638	679	700	721
	639	680	701	723



021	022	023	027	028
	640	681	702	724
	641	682	703	725
	642	683	704	726
	643	684	705	727
	644	685	706	728
	645	686	707	729
	646	687	708	730
	647	688	709	731
	648	689	710	732
	649	690	711	733
	650	691	714	734
	651	692	715	737
	652	693	716	738
	653	694	717	739
	654	695	719	740
	655	696	720	741
	656	697	722	742
	657	698	723	743
	658	699	724	744
	659	700	725	746
	660	701	726	747
	661	702	727	748
	662	703	728	749
	663	704	729	750
	664	705	730	751
	665	706	732	752
	666	707	733	753
	667	708	734	756
	668	709	735	757
	669	710	736	758
	670	711	737	759
	671	712	738	760
	672	713	739	761
	673	714	740	762
	674	715	741	763
	675	716	742	764
	676	717	743	765
	677	718	745	766
	678	719	746	767
	679	720	747	768
	680	721	748	769
	681	722	749	770
	682	723	750	771

021	022	023	027	028
	683	724	751	772
	684	725	753	773
	685	726	754	774
	686	727	755	775
	687	728	756	776
	688	729	757	777
	689	730	758	778
	690	731	759	779
	691	732	760	780
	692	733	762	781
	693	734	763	782
	694	735	764	783
	695	736	765	784
	696	737	766	785
	697	738	767	786
	698	739	768	787
	699	740	769	788
	700	742	770	789
	704	743	771	790
	705	744	772	791
	710	746	773	792
	711	747	774	793
	712	748	775	794
	716	749	776	795
	717	750	777	796
	718	751	778	797
	720	752	779	798
	721	753	780	799
	722	754	781	800
	724	755	782	801
	725	756	783	802
	726	757	784	803
	727	758	785	804
	728	759	786	805
	729	760	787	806
	730	761	788	807
	731	762	789	808
	732	763	790	809
	733	764	791	810
	734	765	792	811
	735	766	793	812
	737	767	794	813
	738	768	795	814

021	022	023	027	028
	739	769	796	815
	740	770	797	816
	741	771	798	817
	743	772	799	818
	744	773	800	819
	745	774	801	820
	746	775	802	821
	747	776	803	822
	748	777	804	823
	749	778	805	824
	750	779	806	825
	751	780	808	826
	753	781	809	827
	754	782	810	828
	755	783	811	829
	756	784	812	830
	757	785	813	831
	758	786	814	832
	759	787	815	833
	760	788	816	834
	761	789	817	835
	762	790	818	836
	763	791	819	837
	764	792	820	838
	765	793	822	839
	767	794	823	842
	768	795	824	843
	769	796	825	844
	770	797	826	845
	771	798	827	846
	773	799	828	847
	774	800	829	848
	775	801	830	849
	776	802	832	850
	777	803	833	851
	778	804	834	852
	779	805	835	853
	780	806	836	854
	781	807	837	855
	782	808	838	856
	785	809	839	857
	786	810	840	858
	787	811	841	859

021	022	023	027	028
	788	812	842	860
	789	813	843	861
	790	814	844	862
	791	815	845	863
	792	816	846	864
	793	817	847	865
	794	818	848	866
	795	819	849	867
	796	820	850	868
	797	821	852	869
	798	822	853	870
	799	823	854	871
	800	824	855	872
	801	825	856	873
	802	826	857	874
	803	827	858	875
	804	828	859	876
	805	829	860	877
	806	830	861	878
	807	831	862	879
	808	832	863	880
	809	833	864	881
	810	834	865	882
	811	835	866	883
	812	836	867	884
	813	837	868	885
	814	838	869	886
	815	839	870	887
	816	840	871	888
	817	841	872	889
	818	842	873	890
	819	843	874	891
	820	844	875	892
	821	845	876	893
	822	846	878	894
	823	847	879	895
	824	848	880	896
	825	849	881	897
	826	850	882	898
	827	851	883	899
	828	852	884	900
	829	853	885	901
	830	854	886	902

021	022	023	027	028
	831	855	887	903
	832	856	888	904
	833	857	889	905
	834	858	890	906
	835	859	891	907
	836	860	892	908
	837	861	893	909
	838	862	894	910
	839	863	895	911
	840	864	896	912
	842	865	897	913
	843	866	898	914
	844	867	899	915
	845	868	900	916
	846	869	901	917
	847	870	902	918
	848	871	903	919
	849	872	904	920
	850	873	905	921
	851	874	906	922
	852	875	907	923
	853	876	908	924
	854	877	909	925
	855	878	930	926
	856	879	931	927
	857	880	932	928
	858	881	933	929
	859	882	934	930
	860	883	935	931
	861	884	936	932
	862	885	937	933
	863	886	938	934
	864	887	939	935
	865	888	940	936
	866	889	941	937
	867	890	942	938
	868	891	943	939
	869	892	944	940
	870	893	945	941
	871	894	946	942
	872	895	947	943
	873	896	948	944
	874	897	949	945

021	022	023	027	028
	875	898	950	946
	876	899	951	947
	877	900	952	948
	878	901	953	949
	879	902	954	950
	880	903	955	951
	881	904	956	952
	882	905	957	953
	883	906	958	954
	884	907	959	955
	885	908	960	956
	886	909	961	957
	887	930	962	958
	888	931	963	959
	889	932	964	960
	890	933	965	961
	891	934	966	962
	892	935	967	963
	893	936	968	964
	894	937	969	965
	895	938	970	966
	896	939	971	967
	897	940	972	968
	898	941	973	969
	899	942	974	970
	900	943	975	971
	901	944	976	972
	902	945	977	973
	903	946	978	974
	904	947	979	975
	905	948	980	976
	906	949	981	977
	907	950	982	978
	908	951	983	979
	909	952	984	980
	910	953	985	981
	911	954	986	982
	915	955	987	983
	916	956	988	984
	917	957	989	985
	918	958	990	986
	919	959	991	987
	920	960	992	988

021	022	023	027	028
	922	961	993	989
	923	962	994	990
	924	963	995	991
	925	964	996	992
	926	965	997	993
	927	966	998	994
	928	967	999	995
	929	968		996
	930	969		997
	932	970		998
	933	971		999
	934	972		
	935	973		
	936	974		
	937	975		
	938	976		
	939	977		
	940	978		
	941	979		
	943	980		
	944	981		
	945	982		
	946	983		
	947	984		
	948	985		
	949	986		
	950	987		
	951	988		
	953	989		
	954	990		
	955	991		
	956	992		
	957	993		
	958	994		
	959	995		
	960	996		
	961	997		
	963	998		
	964	999		
	965			
	966			
	967			
	968			

021	022	023	027	028
	969			
	970			
	971			
	973			
	974			
	975			
	976			
	977			
	978			
	979			
	980			
	981			
	982			
	983			
	984			
	985			
	986			
	987			
	988			
	989			
	990			
	991			
	992			
	993			
	994			
	995			
	996			
	997			
	998			
	999			

### Eastern Area

031	032	033	034	035	036	039
210	200	200	200	200	200	200
211	201	201	201	201	201	201
212	202	202	202	202	202	202
213	203	203	203	203	203	203
214	204	204	204	204	204	204
215	205	205	205	205	205	205
216	206	206	206	206	206	206
217	207	207	207	207	207	207
218	208	208	208	208	208	208



031	032	033	034	035	036	039
219	209	209	209	209	209	209
230	210	215	220	210	210	210
231	211	216	221	211	211	211
232	212	217	222	212	212	212
233	213	218	223	213	213	213
234	214	219	224	214	214	214
235	215	220	225	215	215	215
236	216	221	226	216	216	216
237	217	222	227	217	217	217
238	218	223	228	218	218	218
239	219	224	229	219	219	219
245	220	225	230	220	220	220
246	221	226	231	221	221	221
247	222	227	232	222	222	222
248	223	228	233	223	223	223
249	224	229	234	224	224	224
251	225	240	235	225	225	225
252	226	241	236	226	226	226
253	227	242	237	227	227	227
254	228	243	238	228	228	228
255	229	244	239	229	229	229
256	230	245	240	230	230	230
257	231	246	241	231	231	231
258	232	247	242	232	232	232
259	233	248	243	233	233	233
280	234	249	244	234	234	234
281	235	255	245	235	235	235
282	236	256	246	236	236	236
283	237	257	247	237	237	237
284	238	258	248	238	238	238
285	239	259	249	239	239	239
286	240	265	250	240	240	240
287	241	266	251	241	241	241
288	242	269	252	242	242	242
289	243	270	253	243	243	243
290	244	271	254	244	244	244
291	245	272	255	245	245	245
292	246	273	256	246	246	246
293	247	274	257	247	247	247
294	248	275	258	248	248	248
295	249	276	259	249	249	249
296	250	277	265	250	250	250
297	251	278	266	251	251	261

031	032	033	034	035	036	039
298	252	279	267	252	252	262
299	253	280	268	253	253	263
340	254	281	269	254	254	264
341	255	282	275	255	255	265
342	256	283	276	256	256	266
343	257	284	277	257	257	267
344	258	285	278	258	258	268
345	259	286	279	259	259	269
346	260	287	280	260	260	270
347	261	288	281	261	261	271
348	262	289	282	262	262	272
349	263	290	283	263	263	273
350	264	291	284	264	264	274
351	265	292	285	265	265	275
352	266	293	286	266	266	276
353	267	294	287	267	267	277
354	268	295	288	268	268	278
355	269	296	289	269	269	279
356	270	297	290	270	275	280
357	271	298	291	271	276	281
358	272	299	292	272	277	282
359	273	300	293	273	278	283
375	274	301	294	274	279	284
376	275	302	300	275	280	285
377	276	303	301	276	281	286
378	277	304	302	277	282	287
379	278	305	303	278	283	288
380	279	306	304	279	284	289
381	280	307	305	280	285	290
382	283	308	306	281	286	291
383	284	309	307	282	287	292
384	285	310	308	283	288	293
385	286	311	309	284	289	294
386	287	312	335	285	290	295
387	288	313	336	286	291	296
388	289	314	337	287	292	297
389	295	315	338	288	293	298
390	296	316	339	289	294	299
391	297	317	345	290	295	300
392	298	318	346	291	296	301
393	299	319	347	292	297	302
394	300	360	348	293	298	303
395	301	361	349	294	299	304

031	032	033	034	035	036	039
396	302	362	355	295	300	307
397	303	363	356	296	301	308
398	304	364	357	297	302	309
399	305	365	358	298	303	310
410	306	366	359	299	304	311
411	307	367	360	300	305	335
412	308	368	361	301	306	336
413	309	369	362	302	307	337
414	310	370	363	303	308	338
415	311	371	364	304	309	339
416	312	372	380	305	310	340
417	313	373	381	306	311	341
418	314	374	382	307	312	342
419	315	375	383	308	313	344
420	316	376	384	309	314	345
421	317	377	395	310	315	346
422	318	378	396	311	316	347
423	319	379	397	312	317	348
424	320	380	398	313	318	349
425	321	382	399	314	319	350
426	322	383	400	315	320	351
427	323	384	401	316	321	352
428	324	385	402	317	322	353
429	325	388	403	318	323	354
430	326	389	404	319	324	355
431	327	400	405	320	325	356
432	328	401	406	321	326	357
433	329	402	407	322	327	358
434	330	403	408	323	328	359
435	331	404	409	324	329	360
436	332	405	415	325	330	361
437	333	406	416	326	331	362
438	334	407	417	327	332	363
439	335	408	418	328	333	364
440	336	409	419	329	334	365
441	337	420	420	345	335	366
442	338	421	421	346	336	367
443	339	422	422	347	337	368
444	340	423	423	348	338	369
445	341	424	424	349	339	370
446	342	425	425	350	345	371
447	343	426	426	351	346	372
448	344	427	427	352	347	373

031	032	033	034	035	036	039
449	345	428	428	353	348	374
475	346	429	429	354	349	375
476	347	430	430	355	355	376
477	348	431	431	356	356	378
478	349	432	432	357	357	394
479	350	433	433	358	358	395
485	351	434	434	359	359	396
486	352	435	440	360	370	397
487	353	436	441	361	371	398
488	354	437	442	362	372	399
490	355	438	443	363	373	400
491	356	439	444	364	374	401
492	357	450	445	365	375	402
493	358	451	446	366	376	403
494	359	452	447	367	377	404
495	360	453	448	368	378	405
496	361	454	449	369	379	406
497	362	455	450	370	380	407
498	363	456	451	371	381	408
499	364	457	452	372	382	409
520	365	458	453	373	383	410
521	366	459	454	374	384	411
522	367	460	455	375	385	412
523	368	461	456	376	386	413
524	369	462	457	377	387	414
525	370	463	458	378	388	415
526	371	464	459	379	389	416
527	372	465	460	380	390	417
528	373	466	461	381	391	418
529	374	467	462	382	392	419
530	375	468	463	383	393	420
531	376	469	464	384	394	421
532	377	470	465	385	395	422
533	378	471	466	386	396	423
534	379	472	467	387	397	424
540	380	473	468	388	398	425
541	381	474	469	389	399	426
542	382	475	470	390	400	427
543	383	476	471	391	401	428
544	384	477	472	392	402	429
545	385	478	473	393	403	430
546	386	479	474	394	404	431
547	387	485	480	395	405	432

031	032	033	034	035	036	039
548	388	486	481	396	406	434
549	389	487	482	397	407	435
550	390	488	483	398	408	436
551	391	489	484	399	409	437
552	392	510	485	405	410	438
553	393	511	486	406	411	439
554	394	512	487	407	412	441
555	395	513	488	408	413	442
556	396	514	489	409	414	454
557	397	515	490	410	415	455
558	398	516	491	411	416	456
559	399	517	492	412	417	457
580	400	518	493	413	418	458
581	401	519	494	414	419	459
582	402	520	495	415	425	460
583	403	521	496	416	426	461
584	404	522	497	417	427	462
585	405	523	498	418	428	463
586	406	524	499	419	429	464
587	407	525	500	420	440	465
588	408	526	501	421	441	466
589	409	527	502	422	442	467
590	410	528	503	423	443	468
591	411	529	504	424	444	469
592	412	530	505	425	450	470
593	413	531	506	426	451	471
594	414	532	507	427	452	472
595	415	533	508	428	453	473
596	416	534	509	429	454	474
597	417	535	510	430	455	475
598	418	536	511	431	456	476
599	419	537	512	432	457	477
601	420	538	513	433	458	478
602	421	539	514	434	459	479
603	422	540	515	435	460	480
604	423	541	516	436	461	481
605	424	542	517	437	462	482
606	425	543	518	438	463	483
607	426	544	519	439	464	484
608	427	545	520	440	470	485
609	428	546	521	441	471	486
610	429	547	522	442	472	487
611	440	548	523	443	473	488

031	032	033	034	035	036	039
612	441	549	524	444	474	489
613	442	550	525	445	475	490
614	443	551	526	446	476	491
615	444	552	527	448	477	492
616	445	553	528	449	478	493
617	446	554	529	455	479	494
618	447	555	530	456	480	495
619	448	556	531	457	481	496
620	449	557	532	458	482	497
621	460	558	533	459	483	498
622	461	559	534	465	484	499
623	462	560	535	466	490	500
624	463	561	536	467	491	501
625	464	562	537	468	492	502
626	465	563	538	469	493	503
627	466	564	539	480	494	509
628	467	570	540	481	495	510
629	468	571	541	482	496	511
630	469	572	542	483	497	512
631	470	573	543	484	498	513
632	471	574	544	485	499	524
633	472	575	545	486	500	525
634	473	576	546	487	501	526
635	474	577	547	488	502	527
636	490	578	548	489	503	528
637	491	579	549	490	504	529
638	492	580	550	491	505	530
639	493	581	551	492	506	531
640	494	582	552	493	507	532
641	495	583	553	494	508	533
642	496	584	554	495	509	535
643	497	585	555	496	510	536
644	498	586	556	497	511	537
645	499	587	557	498	512	538
646	500	588	558	499	513	539
647	501	589	559	500	514	540
648	502	590	560	501	515	541
649	503	591	561	502	516	542
650	504	592	562	503	517	544
651	505	593	563	504	518	545
652	506	594	564	505	519	546
653	507	595	565	506	520	547
654	508	596	566	507	521	548

031	032	033	034	035	036	039
655	509	597	567	508	522	549
656	510	598	568	509	523	550
657	511	599	569	510	524	551
658	512	601	570	511	525	552
659	513	602	571	512	526	554
660	514	603	572	513	527	555
661	515	604	573	514	528	556
662	516	605	574	515	529	557
663	517	606	575	516	530	558
664	518	607	576	517	531	559
665	519	608	577	518	532	560
666	560	609	578	519	533	561
667	561	610	579	520	534	562
668	562	611	580	521	535	563
669	563	612	581	522	536	564
670	564	613	582	523	537	565
671	565	614	583	524	538	566
672	566	615	584	525	539	567
673	567	616	585	526	540	568
674	568	617	586	527	541	569
675	569	618	587	528	542	570
676	570	619	588	529	543	571
677	571	620	589	530	544	572
678	572	621	590	531	545	573
679	573	622	591	532	546	574
680	574	623	592	533	547	575
681	575	624	593	534	548	576
682	576	625	594	535	549	577
683	577	626	595	536	550	578
684	578	627	596	537	551	579
685	579	628	597	538	552	580
686	580	629	598	539	553	581
687	581	630	599	540	554	582
688	582	631	601	541	555	583
689	583	632	602	542	556	584
690	584	633	603	543	557	585
691	590	634	604	544	558	586
692	591	635	605	545	559	587
693	592	636	606	546	560	588
694	593	637	607	547	561	589
695	594	638	608	548	562	590
696	595	639	609	549	563	591
697	596	640	610	555	564	592

031	032	033	034	035	036	039
698	597	641	611	556	565	593
699	598	642	612	557	566	594
720	599	643	613	558	567	595
721	601	644	614	559	568	596
722	602	645	615	565	569	597
723	603	646	616	566	570	598
724	604	647	617	567	571	599
725	605	648	618	568	572	601
726	606	649	619	569	573	602
727	607	650	625	585	574	603
728	608	651	626	586	575	609
729	609	652	627	587	576	610
730	610	653	628	588	577	611
731	611	654	629	589	578	612
732	612	655	635	601	579	613
733	613	656	636	602	580	619
734	614	657	637	603	581	620
745	615	658	638	604	582	621
746	616	659	639	605	583	622
747	617	660	645	606	584	623
748	618	661	646	607	585	629
749	619	662	647	608	586	630
750	620	663	648	609	587	631
751	621	664	649	610	588	632
752	622	665	655	611	589	633
753	623	666	656	612	590	634
754	624	667	657	613	591	635
755	625	668	658	614	592	636
756	626	669	659	615	593	637
757	627	670	665	616	594	638
758	628	671	666	617	595	639
759	629	672	667	618	596	640
795	630	673	668	619	597	641
796	631	674	670	620	598	642
797	632	675	671	621	599	643
798	633	676	672	622	601	644
799	634	677	673	623	602	645
800	635	678	674	624	603	646
801	636	679	675	625	604	647
802	637	680	676	626	605	648
803	638	681	677	627	606	649
804	639	682	678	628	607	650
805	640	683	679	629	608	651



031	032	033	034	035	036	039
806	641	684	680	630	609	652
807	642	685	681	631	610	653
808	643	686	682	632	611	654
809	644	687	683	633	612	655
810	645	688	684	634	613	656
811	646	689	685	635	614	657
812	647	690	686	636	615	658
813	648	691	687	637	616	659
814	649	692	688	638	617	660
815	650	693	689	639	618	661
816	651	694	690	640	619	662
817	652	695	691	641	620	663
818	653	696	692	642	621	664
819	654	697	693	643	622	665
825	655	698	694	644	623	666
826	656	699	695	645	624	667
827	657	705	696	646	625	668
828	658	706	697	647	626	669
829	659	707	698	648	627	670
830	660	708	699	649	628	671
831	661	709	700	650	629	672
832	662	710	701	651	640	673
833	663	711	702	652	641	674
834	664	712	703	653	642	675
835	665	713	704	654	643	676
836	666	714	705	655	644	677
837	667	715	706	656	645	678
838	668	716	707	657	646	680
839	669	717	708	658	647	683
840	670	718	709	659	648	686
841	671	719	710	660	649	689
842	672	720	711	661	650	690
843	673	721	712	662	651	691
844	674	722	713	663	652	692
845	675	723	714	664	653	693
846	676	724	715	665	654	694
847	677	725	716	666	655	696
848	678	726	717	667	656	697
849	679	727	718	668	657	698
850	680	728	719	669	658	700
851	681	729	720	670	659	701
852	682	730	721	671	660	702
853	683	731	722	672	661	703

031	032	033	034	035	036	039
854	684	732	723	673	662	704
855	685	733	724	674	663	705
856	686	734	725	675	664	706
857	687	735	726	676	665	707
858	688	736	727	677	666	708
859	689	737	728	678	667	709
860	690	738	729	679	668	710
861	691	739	730	680	669	711
862	692	740	731	681	670	712
863	693	741	732	682	671	713
864	694	742	733	683	672	714
865	695	743	734	684	673	715
866	696	744	735	685	674	716
867	697	745	736	686	675	717
868	698	746	737	687	676	718
869	699	747	738	688	677	719
870	700	748	739	689	678	720
871	701	749	740	690	679	721
872	702	750	741	691	680	722
873	703	751	742	692	681	723
874	704	752	743	693	682	724
875	705	753	744	694	683	725
876	706	754	745	695	684	726
877	707	755	746	696	685	728
878	708	756	747	697	686	729
879	709	757	748	698	687	730
880	710	758	749	699	688	731
881	711	759	750	700	689	732
882	712	760	751	701	690	733
883	713	761	752	702	691	734
884	714	762	753	703	692	735
885	715	763	754	704	693	736
886	716	764	755	705	694	738
887	717	765	756	706	695	739
888	718	766	757	707	696	740
889	719	767	758	708	697	741
890	720	768	759	709	698	742
891	721	769	760	711	699	743
892	722	770	761	712	700	744
893	723	771	762	713	701	745
894	724	772	763	714	702	746
895	725	773	764	715	703	748
896	726	774	765	716	704	764

031	032	033	034	035	036	039
897	727	775	766	717	705	765
898	728	776	767	718	706	766
899	729	777	768	719	707	767
925	730	778	769	720	708	768
926	731	779	770	721	709	774
927	732	780	771	722	710	775
928	733	781	772	723	711	776
929	734	782	773	724	712	777
930	735	783	774	725	713	778
931	736	784	775	726	714	779
932	737	785	776	727	715	780
933	738	786	777	728	716	781
934	739	787	778	729	717	782
935	740	788	779	730	718	783
936	741	789	780	731	719	784
937	742	790	781	732	720	785
938	743	791	782	733	721	786
939	744	792	783	734	722	787
940	745	793	784	735	723	788
941	746	794	785	736	724	789
942	747	795	786	737	725	790
943	748	796	787	738	726	791
944	749	797	788	739	727	792
945	750	798	789	740	728	793
946	751	799	790	741	729	794
947	752	800	791	742	730	795
948	753	801	792	743	731	796
950	754	802	793	744	732	798
951	755	803	794	745	733	804
952	756	804	795	746	734	805
953	757	805	796	747	735	806
954	758	806	797	748	736	807
955	759	807	798	749	737	808
956	760	808	799	775	738	814
957	761	809	800	776	739	815
958	762	810	801	777	740	816
959	763	811	802	778	741	817
960	764	812	803	779	742	818
961	765	813	804	800	743	824
962	766	814	805	801	744	825
963	767	815	806	802	745	826
964	768	816	807	803	746	827
965	769	817	808	804	747	828

031	032	033	034	035	036	039
966	770	818	809	805	748	836
967	771	819	810	806	749	837
968	772	820	811	807	750	838
969	773	821	812	808	751	839
970	774	822	813	809	752	840
971	775	823	814	810	753	841
972	776	824	815	813	754	842
973	777	825	816	814	755	843
974	778	826	817	815	756	844
980	779	827	818	816	757	845
981	780	828	819	817	758	846
982	781	829	820	818	759	847
983	782	830	821	819	760	848
984	783	831	822	820	761	849
985	784	832	823	821	762	850
986	785	833	824	822	763	851
987	786	834	825	823	764	852
988	787	835	826	824	765	853
989	788	836	827	825	766	854
990	789	837	828	826	767	855
991	790	838	829	827	768	856
992	791	839	830	828	769	857
993	792	840	831	829	770	858
994	793	841	832	840	771	859
995	794	842	833	841	772	860
996	795	844	834	842	773	861
997	796	850	835	843	774	862
998	797	851	836	844	775	863
999	798	852	837	845	776	864
	799	853	838	846	777	865
	800	854	839	847	778	866
	801	855	840	848	779	867
	802	856	841	849	780	868
	803	857	842	850	781	874
	804	858	843	851	782	875
	805	859	844	852	783	876
	806	860	845	853	784	877
	807	861	846	854	785	878
	808	862	847	855	786	879
	809	863	848	856	787	880
	810	864	849	857	788	881
	811	865	850	858	789	882
	812	866	851	859	790	883

031	032	033	034	035	036	039
	813	867	852	860	791	884
	814	868	853	861	792	885
	815	869	854	862	793	886
	816	870	855	863	794	887
	817	871	856	864	795	888
	818	872	857	865	796	889
	819	873	858	866	797	890
	820	874	859	867	798	891
	821	875	860	868	799	892
	822	876	861	869	800	893
	823	877	862	880	801	914
	824	878	863	881	802	915
	825	879	864	882	803	916
	826	880	865	883	804	917
	827	881	866	884	805	918
	828	882	867	885	806	919
	829	883	868	886	807	920
	830	884	869	887	808	921
	831	885	870	888	809	922
	832	886	871	889	810	923
	833	887	872	890	811	924
	834	888	873	891	812	925
	835	889	874	892	813	926
	836	890	875	893	814	927
	837	891	876	894	815	928
	838	892	877	895	816	929
	839	894	878	896	817	930
	840	900	879	897	818	931
	841	901	880	898	819	932
	842	902	881	899	820	933
	843	903	882	920	821	934
	844	904	883	921	822	935
	845	905	884	922	823	936
	846	906	885	923	824	937
	847	907	886	924	825	938
	848	908	887	925	826	939
	849	909	888	926	827	940
	850	910	889	927	828	941
	851	911	890	928	829	942
	852	912	891	929	830	943
	853	913	892	930	831	944
	854	914	893	931	832	945
	855	915	894	932	833	946

031	032	033	034	035	036	039
	856	916	895	933	834	947
	857	917	896	934	835	948
	858	918	897	935	836	949
	859	919	898	936	837	950
	860	920	899	937	838	951
	861	921	900	938	839	952
	862	922	901	939	840	953
	863	923	902	940	841	954
	864	924	903	941	842	955
	865	930	904	942	843	956
	866	931	910	943	844	957
	867	932	911	944	845	958
	868	933	912	945	846	959
	869	934	913	946	847	980
	870	935	914	947	848	981
	871	936	915	948	849	982
	872	937	916	949	850	983
	873	938	917	950	851	984
	874	939	918	951	852	985
	875	940	919	952	853	986
	876	941	925	953	854	987
	877	942	926	954	855	988
	878	943	927	955	856	989
	879	944	928	956	857	990
	880	945	929	957	858	991
	881	946	935	958	859	992
	882	947	936	959	860	993
	883	948	937	960	861	994
	884	949	938	961	862	995
	885	950	939	962	863	996
	886	951	945	963	864	997
	887	952	946	964	865	998
	888	953	947	965	866	999
	889	954	948	966	867	
	890	960	949	967	868	
	891	961	955	968	869	
	892	962	956	969	870	
	893	963	957	980	871	
	894	964	958	981	872	
	895	965	959	982	873	
	896	966	960	983	874	
	897	967	961	984	875	
	898	968	962	985	876	

031	032	033	034	035	036	039
	899	969	963	986	877	
	900	970	964	987	878	
	901	971	975	988	879	
	902	972	976	989	880	
	903	973	977		881	
	904	974	978		882	
	905	975	979		883	
	906	976	990		884	
	907	977	991		885	
	908	978	992		886	
	909	979	993		887	
	910	980	994		888	
	911	981			889	
	912	982			890	
	913	983			891	
	914	984			892	
	915	985			893	
	916	986			894	
	917	987			895	
	918	988			896	
	919	989			897	
	920				898	
	921				899	
	922				900	
	923				901	
	924				902	
	925				903	
	926				904	
	927				905	
	928				906	
	929				907	
	930				908	
	931				909	
	932				910	
	933				911	
	934				912	
	935				913	
	936				914	
	937				915	
	938				916	
	939				917	
	940				918	
	950				919	

031	032	033	034	035	036	039
	951				920	
	952				921	
	953				922	
	954				923	
	955				924	
	956				925	
	957				926	
	958				927	
	959				928	
	960				929	
	961				930	
	962				931	
	963				932	
	964				933	
	965				934	
	966				935	
	967				936	
	968				937	
	969				938	
	970				939	
	971				940	
	972				941	
	973				942	
	974				943	
	975				944	
	976				945	
	977				946	
	978				947	
	979				948	
	980				949	
	981				950	
	982				951	
	983				952	
	984				953	
	985				954	
	986				955	
	987				956	
	988				957	
	989				958	
	990				959	
	991				960	
	992				961	
	993				962	



031	032	033	034	035	036	039
	994				963	
	995				964	
	996				965	

### Southern Area

041	043	044	047
201	200	200	200
202	201	201	201
204	202	202	202
205	203	204	203
206	204	205	204
207	205	206	205
208	206	207	206
209	207	208	207
210	208	209	208
211	209	210	209
212	210	211	210
213	211	212	211
214	212	214	212
215	213	215	213
216	214	216	214
217	215	217	215
218	216	218	216
219	217	219	217
220	218	220	218
221	219	221	219
222	220	222	220
223	221	223	221
224	222	224	222
225	223	225	223
226	224	226	224
227	225	227	225
228	226	228	226
229	227	229	227
236	228	230	228
237	229	231	229
238	230	232	230
240	231	233	231
241	232	234	232
242	233	235	233
244	234	236	234
245	235	237	235

041	043	044	047
248	236	238	236
249	237	239	237
250	238	240	238
251	239	242	239
252	240	243	240
253	241	244	241
254	242	245	242
255	243	246	243
256	244	247	244
257	245	248	245
258	246	249	246
259	247	250	247
260	248	252	248
261	249	253	249
262	250	254	250
263	251	255	251
264	252	256	252
265	253	257	253
266	254	258	254
267	255	259	255
268	256	260	256
269	257	261	257
270	258	262	258
271	259	263	259
276	260	264	260
277	261	265	261
278	262	266	262
279	263	267	263
289	264	268	264
290	265	269	265
300	266	270	266
301	267	271	267
302	268	273	268
303	269	275	269
304	270	276	270
305	271	277	273
306	272	278	274
307	273	280	275
308	274	281	276
309	275	282	277
310	276	283	278
311	277	284	279
312	278	285	280

041	043	044	047
313	279	286	281
314	280	287	282
315	281	288	283
316	282	289	284
317	283	290	285
318	284	291	286
319	285	292	287
321	286	293	288
322	287	294	289
323	288	295	290
324	289	296	291
325	290	297	292
326	291	298	293
327	292	299	294
328	293	300	295
329	294	301	296
330	295	303	297
331	296	304	298
332	297	305	299
333	298	306	300
334	299	307	301
335	300	308	302
336	301	310	303
337	302	311	304
338	303	312	305
339	304	313	306
340	305	314	307
341	306	315	308
342	307	316	309
343	308	317	310
344	309	318	311
345	310	319	312
346	311	320	313
347	312	321	314
348	313	322	315
349	314	323	316
351	315	324	317
352	316	325	318
353	317	326	319
354	318	327	320
355	319	328	321
356	320	329	322
357	321	330	323

041	043	044	047
358	322	331	324
359	323	332	325
361	324	333	326
362	325	334	327
380	326	335	328
381	327	336	329
382	328	337	330
383	329	338	331
384	330	339	332
385	331	340	333
386	332	341	334
387	333	342	335
388	334	345	336
389	335	346	337
410	336	347	338
411	337	348	339
412	338	350	340
413	339	351	341
414	340	352	342
415	341	353	343
416	342	354	344
417	343	355	345
418	344	357	346
419	345	358	347
421	346	359	348
422	347	360	349
423	348	361	350
424	349	362	351
425	350	363	352
426	351	364	353
427	352	365	354
428	353	366	355
429	354	367	356
430	355	368	357
431	356	369	358
432	357	370	359
433	358	371	360
434	359	372	361
435	360	373	362
436	361	374	363
437	362	376	364
438	363	377	365
439	364	378	366

041	043	044	047
440	365	379	367
441	366	380	368
442	367	390	369
443	368	391	370
444	369	392	371
445	370	393	372
446	371	394	373
447	372	395	374
448	373	396	375
449	374	397	376
450	375	398	377
470	376	399	378
471	377	400	379
472	378	401	380
473	379	402	381
474	380	403	382
475	381	404	383
476	382	405	384
477	383	406	385
478	384	407	386
479	385	408	387
480	386	409	388
488	387	410	389
489	388	411	390
490	389	412	391
491	390	413	392
492	391	414	393
493	392	415	394
494	393	416	395
495	394	417	396
496	395	418	397
497	396	419	398
498	397	420	399
499	398	421	400
510	399	422	402
511	400	423	403
512	401	424	404
513	402	425	405
514	403	426	406
515	404	427	407
516	405	428	408
517	406	429	409
518	407	430	410

041	043	044	047
519	408	431	411
520	409	432	412
521	410	433	413
522	411	434	414
523	412	435	415
524	413	436	416
525	414	437	417
526	415	438	418
527	416	439	419
528	417	440	420
529	418	441	421
530	419	442	422
531	420	443	423
532	421	444	424
533	422	445	425
534	423	446	426
535	424	447	427
536	425	448	428
537	426	449	429
538	427	450	430
539	428	451	431
540	429	452	432
541	430	453	433
542	431	454	434
543	432	455	435
544	433	456	436
545	434	457	437
546	435	458	438
547	436	459	439
548	437	460	440
549	438	461	441
550	439	462	442
551	440	463	443
552	441	464	444
553	442	465	445
554	443	466	446
555	444	467	447
556	445	468	448
557	446	469	449
558	447	470	450
559	448	471	451
560	449	472	452
561	450	473	453

041	043	044	047
562	451	474	454
563	452	475	455
564	453	476	456
565	454	477	457
566	455	478	458
567	456	479	459
568	457	480	460
569	458	481	461
570	459	482	462
571	460	483	463
572	461	484	464
573	462	485	465
574	463	486	466
575	464	487	467
576	465	488	468
577	466	489	469
578	467	490	470
579	468	491	471
580	469	492	472
587	470	493	473
589	471	494	474
590	472	495	476
591	473	496	477
592	474	497	478
593	475	498	479
594	476	499	482
595	477	500	483
596	478	502	484
597	479	503	485
598	480	504	486
599	481	505	495
601	482	506	496
602	483	507	497
605	484	508	500
606	485	509	503
607	486	510	506
608	487	511	507
609	488	512	508
610	489	513	509
611	490	514	510
612	491	515	511
613	492	516	512
614	493	517	513

041	043	044	047
615	494	518	514
616	495	519	515
617	496	520	516
618	497	521	517
619	498	522	518
620	499	523	519
623	500	524	521
626	501	525	522
627	502	526	523
628	503	527	524
629	504	528	525
630	505	529	526
631	506	530	527
632	507	536	528
633	508	537	529
634	509	538	530
635	510	539	533
638	511	540	540
639	512	541	546
640	513	542	550
641	514	543	551
642	515	544	552
643	516	545	554
644	517	546	556
646	518	547	557
647	519	548	558
649	520	549	559
650	521	550	560
651	522	551	561
652	523	552	565
655	524	553	566
656	525	554	567
657	526	555	569
658	527	556	570
659	528	557	571
660	529	558	572
661	530	559	574
662	531	560	578
663	532	561	579
664	533	562	580
665	534	563	581
666	535	564	582
667	536	565	583



041	043	044	047
668	537	566	584
669	538	567	585
670	539	568	586
671	540	569	587
672	541	570	588
673	542	571	589
674	543	572	590
676	544	573	591
677	545	574	592
678	546	575	593
679	547	576	594
680	548	577	595
681	549	578	596
682	550	579	597
683	552	580	598
686	553	581	599
687	554	582	601
688	555	583	602
689	556	584	603
690	557	585	604
691	558	586	605
692	559	587	606
693	560	588	607
694	561	589	608
695	562	590	609
696	563	591	610
697	564	592	611
698	565	593	612
699	566	594	613
700	567	595	614
701	568	596	615
702	569	597	616
703	570	598	617
704	571	599	618
705	572	602	619
706	573	603	620
707	574	605	621
708	575	607	622
709	576	608	623
710	577	609	624
711	578	610	625
712	579	611	626
713	580	612	627

041	043	044	047
714	581	613	628
715	582	614	629
716	583	615	630
717	584	616	631
718	585	617	632
719	586	618	633
720	587	619	634
721	588	621	635
722	589	622	636
723	590	623	637
724	591	624	638
725	592	625	639
726	593	626	640
727	594	627	641
728	595	628	642
729	596	629	643
730	597	630	644
731	598	632	645
732	599	633	646
733	601	634	647
734	602	635	648
735	603	636	649
736	605	637	650
737	606	638	651
738	607	640	652
739	610	641	653
740	611	642	654
741	612	643	655
742	613	644	656
743	614	645	657
744	615	646	658
745	616	647	659
746	617	648	660
747	618	649	661
748	619	650	662
749	621	652	663
750	622	653	664
751	623	654	665
752	624	655	666
753	625	656	667
754	626	657	668
755	627	658	669
756	628	659	670

041	043	044	047
757	629	660	671
758	630	661	672
759	632	662	673
760	633	663	674
761	634	664	675
762	638	665	676
763	640	666	677
764	641	667	678
765	646	668	679
766	648	669	680
767	649	670	681
768	660	671	682
769	661	672	683
770	662	673	684
771	663	674	685
772	664	675	686
773	665	676	687
774	666	677	688
777	667	678	689
778	668	679	690
779	669	680	691
780	670	681	692
781	674	682	693
782	679	683	694
783	680	684	695
784	682	685	696
785	684	686	697
786	686	687	698
787	687	688	699
788	688	689	700
789	689	700	701
790	690	701	702
791	691	702	703
792	692	703	704
793	693	704	705
794	694	705	706
795	695	706	707
796	696	707	708
797	697	708	709
798	698	709	710
799	699	710	711
800	710	711	712
804	711	712	713

041	043	044	047
805	712	713	714
806	713	714	715
808	714	715	716
809	715	716	717
810	716	717	718
811	717	718	719
812	718	719	720
813	719	720	721
814	723	721	722
815	724	722	723
816	725	723	724
817	728	724	725
818	729	725	726
819	744	726	727
820	746	727	728
821	747	728	729
822	749	729	730
823	750	730	731
824	751	731	732
825	752	732	733
826	753	733	734
827	754	735	735
828	755	736	736
829	756	737	737
830	757	738	738
850	758	739	739
855	759	740	740
856	766	741	741
857	767	742	742
858	768	743	743
859	769	744	744
860	770	746	745
861	771	747	746
862	772	748	747
863	773	749	748
864	774	750	749
865	775	751	750
866	776	753	751
867	777	754	752
868	778	755	753
869	779	756	754
870	787	757	755
871	788	758	756

041	043	044	047
872	790	759	757
873	791	760	758
874	792	761	759
875	793	762	760
876	794	764	761
877	795	765	762
878	796	766	763
879	797	767	764
880	798	768	765
882	799	769	766
883	800	770	767
889	801	772	768
890	802	773	769
894	803	774	770
895	804	775	771
896	805	776	772
897	806	777	773
898	809	778	774
899	810	779	775
900	811	780	776
901	812	781	777
902	813	782	778
903	814	783	779
904	815	784	780
905	816	785	781
906	817	786	782
907	818	787	783
908	819	788	784
909	820	789	785
910	821	790	786
911	822	791	787
912	823	792	788
913	824	793	789
914	825	794	790
915	826	795	791
916	827	796	792
917	828	797	793
918	829	798	794
919	830	799	795
921	832	800	796
923	833	805	797
924	834	806	798
925	835	807	799

041	043	044	047
926	836	808	800
927	837	809	801
928	850	810	802
929	852	811	803
930	853	812	804
931	859	813	805
932	860	814	806
934	862	815	807
935	865	816	808
936	866	817	809
937	867	818	810
938	868	819	811
939	869	821	812
940	870	822	813
942	871	823	814
943	874	824	815
944	875	825	816
945	877	826	817
946	879	827	818
947	880	828	819
948	881	829	820
949	882	830	821
950	883	831	822
951	884	832	823
952	885	833	824
953	886	834	825
954	887	835	826
957	888	836	827
958	889	837	828
959	890	838	829
960	891	839	830
962	892	840	831
963	893	841	832
965	894	842	833
967	895	843	834
968	896	844	835
969	897	845	836
970	898	846	837
971	899	847	838
972	900	848	839
973	901	849	840
974	902	852	841
975	903	853	842

041	043	044	047
976	904	854	843
978	905	855	844
979	906	856	845
980	907	857	846
981	908	858	847
982	909	859	848
983	910	860	849
984	911	861	850
985	912	862	851
986	913	863	852
987	914	864	853
989	915	865	854
990	916	866	855
993	917	867	856
997	918	868	857
998	919	869	858
	920	885	859
	921	887	860
	922	890	861
	923	891	862
	924	892	863
	925	893	864
	926	894	865
	927	895	866
	928	896	867
	929	897	868
	930	898	869
	931	899	871
	932	900	879
	933	901	880
	934	902	881
	935	903	882
	936	904	883
	937	905	884
	938	906	885
	939	907	886
	940	908	887
	945	909	888
	946	910	889
	947	911	890
	948	912	891
	949	913	892
	950	914	893

041	043	044	047
	951	915	894
	954	916	895
	955	917	896
	956	918	897
	957	919	898
	958	920	899
	959	921	900
	960	922	901
	961	924	902
	963	925	903
	964	926	904
	965	927	905
	970	928	906
	971	929	907
	972	930	908
	973	931	909
	974	932	910
	975	933	911
	976	935	912
	977	936	913
	978	937	914
	979	938	915
	980	939	916
	981	940	917
	982	941	918
	983	942	919
	984	943	920
	985	944	921
	986	946	922
	987	947	923
	988	948	924
	989	949	925
	990	950	926
	991	951	927
	992	952	928
	993	953	929
	994	954	930
	995	955	934
	996	957	935
	997	958	936
	998	959	937
	999	960	938
		961	939



041	043	044	047
		962	940
		963	941
		964	942
		965	943
		966	944
		967	945
		968	946
		969	947
		970	948
		971	949
		972	950
		973	951
		974	952
		975	953
		976	954
		977	955
		978	956
		979	957
		980	958
		981	959
		982	960
		983	961
		984	962
		985	963
		986	964
		987	965
		988	966
		989	967
		990	968
		991	969
		992	970
		993	975
		994	976
		995	977
		996	978
		997	979
		998	980
		999	981
			982
			983
			984
			985
			986

041	043	044	047
			987
			988
			989
			990
			991
			992
			993
			994
			995
			996
			997
			998
			999

### Central Area

051	053	054	056	057	058
200	200	200	200	200	200
201	208	201	201	201	201
202	209	202	202	202	202
203	210	203	203	203	203
204	213	204	204	204	204
205	214	205	205	205	205
206	215	206	206	206	206
207	216	207	207	207	207
208	217	208	208	208	208
209	218	209	209	209	209
210	219	210	222	210	210
211	220	211	223	211	212
212	221	212	224	213	213
213	222	213	225	214	214
214	223	214	226	216	215
215	224	215	227	218	216
216	225	216	228	219	217
217	226	217	229	220	218
218	227	218	230	222	219

051	053	054	056	057	058
219	228	219	231	223	220
220	229	220	232	224	221
221	230	221	233	225	222
222	233	222	234	226	224
223	234	223	235	227	225
224	235	224	236	228	226
225	236	225	237	229	227
226	237	226	238	230	228
227	238	227	239	233	229
228	239	228	240	234	230
229	240	229	241	235	231
230	243	230	242	236	232
231	244	231	243	238	233
232	245	232	244	239	234
233	246	233	245	240	235
234	247	234	246	241	236
235	248	235	247	242	237
236	249	236	248	243	238
237	250	237	249	244	239
238	251	238	250	245	240
239	252	239	251	246	241
240	253	240	252	247	242
241	254	241	253	248	243
242	255	242	254	249	244
243	256	243	255	250	245
244	257	244	256	251	246
245	258	245	257	252	247
246	259	246	258	253	248
247	260	247	259	254	249
248	261	248	260	255	250
249	262	249	261	256	251
250	263	250	262	257	252
251	264	251	263	258	253
252	265	252	264	259	254
253	266	253	265	260	257
254	267	254	266	261	258
255	268	255	267	262	259
256	269	256	269	263	260
257	270	257	270	264	261
258	273	258	271	265	262
259	274	259	272	266	263
260	275	260	273	267	264
261	276	261	274	268	265

051	053	054	056	057	058
262	277	262	275	269	266
263	278	263	276	270	267
264	279	264	277	271	268
265	280	265	278	272	269
266	281	266	279	273	270
267	282	267	280	274	271
268	283	268	281	275	272
269	284	269	282	276	273
270	285	270	283	277	274
271	286	271	284	278	275
272	287	272	285	279	276
273	288	273	286	280	277
274	289	274	287	281	278
275	290	275	288	282	279
276	291	276	289	283	280
277	292	277	290	284	281
278	293	278	291	285	282
279	294	279	292	286	283
280	295	280	293	287	284
281	296	281	294	288	285
282	297	282	295	289	286
283	300	283	296	290	287
284	301	284	297	291	288
285	302	285	298	292	289
286	303	286	299	293	290
287	304	287	300	294	291
288	305	288	301	295	292
289	306	289	302	296	293
290	307	290	303	297	294
291	308	291	304	298	295
292	309	292	305	299	296
293	310	293	306	300	297
294	312	294	307	301	298
295	314	295	308	302	299
296	315	296	309	303	310
297	316	297	310	304	312
298	317	298	311	305	313
299	318	299	312	306	314
300	319	300	313	307	315
301	320	301	314	308	316
302	322	302	315	309	317
303	323	303	316	310	318
304	324	304	317	311	319

051	053	054	056	057	058
305	325	305	318	312	320
306	326	306	319	313	321
307	327	307	320	314	322
308	328	308	321	315	323
309	329	309	322	316	324
310	330	310	323	317	325
311	333	311	324	318	326
312	334	312	325	319	327
313	335	313	326	320	328
314	336	314	327	321	329
315	337	315	328	322	330
316	338	316	329	323	331
317	339	317	330	324	332
318	340	318	331	325	333
319	341	319	332	326	334
320	342	320	333	327	335
321	344	321	334	328	336
322	345	322	335	329	337
323	346	323	336	330	338
324	347	324	337	331	339
325	348	325	338	332	340
326	349	326	339	333	341
327	350	327	340	334	342
328	351	328	341	335	343
329	352	329	342	336	344
330	356	340	345	337	345
331	357	341	346	338	346
332	358	342	347	339	347
333	359	343	348	340	348
334	360	344	349	341	349
335	361	345	350	342	350
336	362	346	351	343	351
337	363	347	352	344	352
338	364	348	353	345	353
339	365	349	354	346	354
340	366	350	355	347	355
341	367	351	356	348	356
342	368	352	357	349	357
343	369	353	358	350	358
344	370	354	359	356	359
345	371	355	360	359	360
346	372	356	361	360	361
347	373	357	362	363	362

051	053	054	056	057	058
348	374	358	363	364	363
349	375	359	364	365	364
350	376	360	365	366	365
351	377	361	366	367	366
352	378	362	367	368	367
353	379	363	368	369	368
354	380	364	369	370	369
355	387	365	370	371	370
356	388	366	371	372	371
357	389	367	372	373	372
358	390	368	373	374	373
359	395	369	374	375	374
360	396	370	375	376	375
361	397	371	376	377	376
362	398	372	377	378	377
363	399	373	378	379	378
364	400	374	379	380	379
365	402	375	380	381	380
366	403	376	381	384	381
367	404	377	382	385	382
368	405	378	383	386	383
369	406	379	384	387	384
370	407	380	385	389	385
371	408	381	386	390	386
372	409	382	387	393	387
373	410	383	388	400	388
374	411	384	389	401	389
375	412	385	390	402	390
376	413	386	391	403	391
377	414	387	392	404	392
378	415	388	393	405	393
379	416	389	394	406	394
380	417	390	395	407	395
381	418	391	396	408	396
382	419	392	397	409	397
383	420	393	398	410	398
384	422	394	399	411	399
385	423	395	400	412	400
386	424	396	401	413	401
387	425	397	402	414	402
388	426	398	403	415	403
389	427	399	404	416	404
390	428	400	405	417	405

051	053	054	056	057	058
391	429	401	406	418	406
392	430	402	407	419	407
393	431	403	408	420	408
394	434	404	409	421	409
395	435	405	410	422	410
396	436	406	411	423	411
397	437	407	412	424	412
398	438	408	413	425	413
399	439	409	414	426	414
425	440	410	415	427	415
426	442	411	416	428	416
427	443	412	417	429	417
428	445	413	418	430	418
429	446	414	419	431	419
450	447	415	420	432	420
452	448	416	421	433	421
453	449	417	422	434	422
454	450	418	423	435	423
456	451	419	424	436	424
457	452	420	425	437	425
458	453	421	426	438	426
459	454	422	427	439	427
460	455	423	428	440	428
461	457	424	429	441	429
462	459	425	430	442	430
463	460	426	431	443	431
464	461	427	432	444	432
465	462	428	433	445	433
466	463	429	434	446	434
467	464	433	435	447	435
468	465	434	436	448	436
469	466	435	437	449	437
470	467	436	438	450	438
471	468	437	439	453	439
472	469	438	440	454	440
473	470	439	441	455	441
474	472	440	442	456	442
475	473	442	443	457	443
476	475	443	444	458	444
477	476	444	445	459	445
478	477	445	446	460	446
479	478	446	447	461	447
480	479	447	448	462	448

051	053	054	056	057	058
481	480	448	449	463	449
482	481	449	450	464	450
483	482	450	451	465	451
484	483	452	452	466	452
485	484	457	453	467	454
486	485	458	454	468	455
487	486	459	455	469	456
488	487	460	456	470	457
489	488	462	457	471	458
490	489	465	458	472	459
491	490	466	459	473	460
492	491	467	460	474	461
493	492	468	461	475	462
494	493	469	462	476	464
495	495	470	463	477	465
496	496	471	464	478	466
497	498	472	465	479	467
498	499	473	466	480	468
499	500	474	467	481	469
508	501	475	468	482	470
509	502	476	469	483	472
510	503	477	470	484	473
511	504	478	472	485	474
512	505	479	473	486	475
513	506	480	474	487	476
514	507	481	475	488	477
515	508	482	476	489	478
516	509	483	477	490	479
517	510	484	478	491	480
518	511	485	479	492	482
519	512	486	480	493	483
536	513	487	481	494	484
537	514	488	482	495	485
538	515	489	483	496	486
539	516	490	484	497	487
540	517	492	485	498	488
542	518	493	486	499	489
543	519	494	487	500	490
544	520	495	488	501	491
545	521	496	489	502	492
546	522	497	490	503	493
547	523	498	491	504	494
548	524	499	492	505	495



051	053	054	056	057	058
549	525	500	493	506	496
550	526	501	494	507	497
551	527	502	495	508	498
552	528	503	496	509	499
554	529	504	497	510	500
555	530	505	498	511	501
556	532	506	499	512	502
557	533	507	500	513	503
558	534	508	501	514	504
559	535	509	502	515	505
560	536	510	503	516	506
561	537	513	504	517	507
562	538	514	505	518	508
563	539	515	506	519	509
565	540	516	507	520	510
566	542	517	508	521	511
567	543	518	509	522	512
568	544	519	510	523	513
569	545	520	511	524	514
570	546	522	512	525	515
571	547	523	513	526	516
572	548	524	517	527	517
573	549	525	518	528	518
574	550	526	519	529	519
576	552	527	520	530	520
577	553	528	521	531	521
578	554	529	522	532	522
579	555	530	523	533	523
580	556	532	524	534	524
581	557	533	525	535	525
582	558	534	526	536	526
585	559	535	527	537	527
586	560	536	528	538	528
587	563	537	529	539	529
588	564	538	530	540	530
589	565	539	531	541	531
590	566	540	532	542	532
591	567	545	533	543	533
592	568	546	534	544	534
593	569	547	535	545	535
594	570	548	536	546	536
595	575	549	537	547	537
596	576	550	538	548	538

051	053	054	056	057	058
597	577	552	539	549	539
598	578	553	540	550	540
599	579	554	541	551	541
601	580	555	542	552	542
602	583	556	543	553	543
605	584	557	544	554	544
606	585	558	545	555	545
607	586	559	546	556	546
608	587	560	547	557	547
609	588	563	548	558	548
610	590	564	549	559	549
614	592	565	550	560	550
615	593	566	551	561	551
616	594	567	552	562	552
617	595	568	553	563	553
618	596	569	554	564	554
619	597	570	555	565	555
620	598	573	556	566	556
621	599	574	557	567	557
622	601	575	558	568	558
623	602	576	559	569	559
624	603	577	560	570	560
625	604	578	561	571	561
626	605	579	562	572	562
627	606	580	563	575	563
628	607	581	564	576	564
629	608	582	565	577	565
630	609	583	566	578	566
632	610	584	567	579	567
635	613	585	568	580	568
636	614	586	569	581	569
637	615	587	570	582	570
638	616	588	571	583	571
639	617	589	572	584	572
640	618	590	573	585	573
642	619	591	574	586	574
643	620	592	575	587	575
644	624	593	576	588	576
645	626	594	577	589	577
646	627	595	578	590	578
647	628	596	579	591	579
648	629	597	580	592	580
649	634	598	581	593	581

051	053	054	056	057	058
650	635	599	582	594	582
651	636	601	583	595	583
652	637	602	584	596	584
656	638	604	585	597	585
657	639	605	586	598	586
658	640	606	587	599	587
659	644	607	588	601	588
660	645	608	589	602	589
661	646	609	590	603	590
662	647	610	591	604	591
664	648	611	592	605	592
665	649	612	593	606	593
666	650	613	594	607	594
667	653	614	595	608	595
668	654	615	596	609	596
669	655	616	597	610	597
670	656	617	598	611	598
671	657	618	599	612	599
672	658	619	601	613	601
674	659	620	602	614	602
675	660	622	603	615	603
676	662	623	604	616	604
677	666	624	605	617	605
678	667	625	606	618	606
679	668	626	607	619	607
680	669	627	608	620	608
681	670	628	609	621	609
682	674	629	610	622	610
684	676	630	611	623	611
685	677	632	612	624	612
686	678	633	613	625	613
687	679	634	614	626	614
688	680	635	615	627	615
689	684	636	616	628	616
690	685	637	617	629	617
691	686	638	618	630	618
692	687	639	619	631	619
693	688	640	620	632	620
694	689	642	621	633	621
695	690	643	622	634	625
696	692	644	623	635	626
697	695	645	624	636	627
698	696	646	625	637	628

051	053	054	056	057	058
699	697	647	626	638	629
700	698	648	627	639	630
701	699	649	628	640	631
702	700	650	629	641	632
703	701	653	630	642	633
704	702	654	632	643	634
705	703	655	633	644	636
706	704	656	634	645	637
707	705	657	635	646	638
708	706	658	636	647	639
709	707	659	637	648	640
710	708	660	638	649	644
711	709	662	639	650	645
712	710	663	640	653	646
714	711	664	641	654	647
715	713	665	642	655	648
716	715	666	643	656	649
717	716	667	644	657	650
718	717	668	645	658	654
719	718	669	646	659	655
720	720	670	647	660	656
721	721	672	648	661	657
722	722	673	649	662	658
725	725	674	650	663	659
726	726	675	651	664	660
727	727	676	652	665	662
728	728	677	653	666	663
729	729	678	654	667	664
730	730	679	655	668	665
731	731	680	656	669	666
732	732	682	657	670	667
733	733	683	658	671	668
734	734	684	659	672	669
735	735	685	660	673	670
736	736	686	661	674	672
737	737	687	662	675	673
738	738	688	663	676	674
739	740	689	664	677	675
740	743	690	665	678	676
741	744	692	666	679	677
742	745	693	667	680	678
744	746	694	668	681	679
745	747	695	669	682	680

051	053	054	056	057	058
746	748	696	670	683	681
747	749	697	671	684	682
748	750	698	672	685	683
749	752	699	673	686	684
750	753	700	674	687	685
751	754	701	675	688	686
752	755	702	676	689	687
755	756	703	677	690	688
756	757	704	678	691	689
757	758	705	679	692	690
758	759	706	680	693	691
759	760	707	681	694	692
760	762	708	682	695	693
761	763	709	683	696	694
762	764	710	684	697	695
764	765	711	685	698	696
765	766	712	686	699	697
766	767	713	687	700	698
767	768	714	688	701	699
768	769	715	689	702	700
769	780	716	690	703	701
770	782	717	691	704	702
771	783	718	692	705	703
772	784	719	693	706	704
774	785	720	694	707	705
775	786	721	695	708	706
776	787	722	696	709	707
777	788	723	697	710	708
778	789	724	698	711	709
779	790	725	699	712	710
780	792	726	700	713	711
781	793	727	701	714	716
782	794	728	702	715	717
784	795	729	703	716	719
785	796	730	704	717	720
786	797	731	705	718	722
787	798	732	706	719	723
788	799	733	707	720	724
789	800	734	708	721	725
790	801	735	709	722	726
791	803	736	710	723	727
792	804	737	711	724	728
793	805	738	712	725	729

051	053	054	056	057	058
794	806	739	713	726	730
795	808	740	714	727	731
796	809	742	715	728	732
797	810	743	716	729	733
798	811	744	717	730	734
799	812	745	718	731	735
800	813	746	719	732	736
801	814	747	720	734	737
802	815	748	721	735	738
803	816	749	722	736	739
804	817	750	723	737	740
805	818	752	724	738	741
806	819	756	725	739	742
807	820	757	726	740	743
808	821	758	727	741	744
809	822	759	728	742	745
810	823	760	729	743	746
812	824	761	730	744	747
813	825	762	731	745	748
814	826	763	732	746	749
815	827	764	733	747	750
816	828	765	734	748	752
817	829	766	735	749	753
818	844	767	736	750	754
819	845	768	737	751	755
820	846	769	738	752	756
822	847	770	739	753	757
823	848	771	740	754	758
824	849	772	741	755	759
825	850	773	742	756	760
826	852	774	743	757	761
827	853	775	744	758	762
828	854	776	745	759	763
829	855	777	746	760	764
830	856	778	747	761	765
832	857	779	748	762	766
833	858	780	749	763	767
834	859	782	750	764	768
835	860	783	751	765	769
836	863	784	752	766	770
837	864	785	753	767	771
838	865	786	754	768	772
839	866	787	755	769	773

051	053	054	056	057	058
840	867	788	756	770	774
842	868	789	757	771	775
843	869	790	758	772	776
844	875	791	759	773	777
845	876	792	760	774	778
846	877	793	761	775	779
847	878	794	762	776	780
848	879	795	763	777	781
849	880	796	764	778	782
850	881	797	765	779	783
851	882	798	766	780	784
852	883	799	767	781	785
854	884	800	768	782	786
855	885	801	769	783	790
856	886	802	770	784	791
857	887	803	771	785	792
858	888	804	772	786	793
859	889	805	773	787	794
860	890	806	774	788	795
862	891	807	775	789	796
863	892	808	776	790	797
864	894	809	778	791	798
865	895	810	779	792	799
866	896	811	780	793	800
867	897	812	781	794	801
868	898	813	782	795	802
869	899	814	783	796	803
877	901	815	784	797	804
878	902	816	785	798	805
879	903	817	786	799	806
880	904	818	787	800	807
882	905	819	788	801	808
883	906	820	789	802	809
884	907	821	790	803	810
885	908	822	791	804	811
886	909	823	792	805	812
887	910	824	793	806	814
888	911	825	794	807	815
889	912	826	795	808	816
890	913	827	796	809	817
891	914	828	797	810	818
892	915	829	798	811	819
893	916	830	799	812	820

051	053	054	056	057	058
894	917	831	800	813	822
895	918	832	801	814	823
896	919	835	802	815	824
897	920	836	803	816	825
898	925	837	804	817	826
899	930	838	805	818	827
900	940	839	806	819	828
901	947	840	807	820	829
902	950	843	808	821	830
903	957	844	809	822	831
904	958	845	810	823	832
905	959	846	812	824	833
906	960	847	813	825	834
907	961	848	814	826	835
908	962	849	815	827	836
909	966	850	820	828	837
910	967	852	821	829	838
911	968	853	822	830	839
912	969	854	823	831	840
913	970	855	824	832	842
914	975	856	825	833	843
915	976	857	826	834	844
916	977	858	827	835	845
917	978	859	828	836	846
918	979	860	829	837	847
919	980	862	830	838	848
920	986	863	831	839	849
921	987	864	832	840	850
922	990	865	833	841	851
923	997	866	834	842	854
925	999	867	835	843	855
926		868	836	844	856
927		869	837	845	857
928		870	838	846	858
929		872	839	847	859
930		873	840	848	860
931		874	841	849	861
932		875	842	850	862
934		876	843	851	864
935		877	844	852	865
936		878	845	853	866
937		879	846	854	867
939		880	847	855	868



051	053	054	056	057	058
940		882	848	856	869
941		883	849	857	870
942		884	850	858	872
944		885	851	859	873
945		886	852	860	874
946		887	853	861	875
947		888	854	862	876
948		889	855	863	877
949		890	856	864	878
950		892	857	865	879
951		893	858	866	880
952		894	859	867	882
954		895	860	868	883
955		896	861	869	884
956		897	862	870	885
957		898	863	871	886
958		899	864	872	887
959		900	865	873	888
960		901	866	874	889
961		902	867	875	890
962		903	868	876	891
965		904	869	877	892
966		905	870	878	893
967		906	871	879	894
968		907	872	880	895
969		908	873	881	896
970		909	874	882	897
971		910	875	883	898
972		911	876	884	899
974		912	877	885	900
975		913	878	886	901
976		914	879	887	902
977		915	880	888	903
978		916	881	889	904
979		917	882	890	905
980		918	883	891	906
981		919	884	892	907
982		920	885	893	908
984		921	886	894	909
985		922	887	895	910
986		923	888	896	911
987		924	889	897	912
988		925	890	898	914

051	053	054	056	057	058
989		926	891	920	915
990		927	892	921	916
992		928	893	922	917
993		929	894	923	918
994		930	895	924	919
995		931	896	925	920
996		932	897	926	921
997		934	898	927	922
998		935	899	928	923
999		936	900	929	925
		937	901	930	926
		938	902	931	927
		939	903	933	928
		940	904	934	929
		942	905	935	930
		943	906	936	931
		944	907	937	932
		945	908	938	933
		946	909	939	934
		947	910	940	935
		948	911	941	936
		949	912	942	937
		950	913	943	938
		952	914	944	939
		953	915	945	940
		954	916	946	941
		955	917	947	942
		956	918	948	943
		957	919	949	944
		958	920	950	945
		959	921	951	946
		960	922	952	947
		962	923	953	948
		963	924	954	949
		964	925	955	950
		965	926	956	951
		966	927	957	952
		967	928	958	953
		968	929	959	954
		969	930	960	955
		970	932	961	956
		972	933	962	957
		973	934	963	958

051	053	054	056	057	058
		974	935	964	959
		975	936	965	960
		976	937	966	961
		977	938	967	962
		978	939	968	963
		979	940	969	964
		980	941	970	965
		981	942	971	966
		982	943	972	967
		984	944	973	968
		985	945	974	969
		986	946	975	970
		987	947	976	971
		988	948	977	972
		989	949	978	973
		990	950	979	974
		991	951	980	975
		992	952	981	976
		993	953	982	977
		994	954	983	978
		995	955	984	979
		996	956	985	980
		997	957	986	981
		998	958	987	982
		999	959	988	983
			960	989	984
			961	990	985
			962	991	986
			963	992	987
			964	993	988
			965	994	989
			966	995	990
			967	996	991
			968	997	992
			969	998	993
			970	999	994
			971		995
			972		996
			973		997
			974		998
			975		999
			976		
			977		

051	053	054	056	057	058
			978		
			979		
			980		
			981		
			982		
			983		
			984		
			985		
			986		
			987		
			988		
			989		
			990		
			991		
			992		
			993		
			994		
			995		
			996		
			997		
			998		
			999		

**SCHEDULE 5 - NUMBERS TAKEN TO HAVE BEEN ALLOCATED TO TELKOM****ALLOCATION OF CODES FOR NUMBERING PURPOSES**

The following number ranges are taken to have been allocated to Telkom with effect from the commencement date of this regulation:

**Non-geographic service codes**

<b>Range</b>	<b>Service</b>
<b>10</b>	<b>EXISTING TELKOM SERVICES</b>
<b>10111</b>	Police emergency
<b>10116</b>	Conference call booking (multi-lingual)
<b>10118</b>	Electronic yellow pages
<b>10120</b>	Call answer - deposit message
<b>10121 - 10125</b>	Call answer remote retrieval
<b>10126 - 10127</b>	Enhanced services platform (ESP) services
<b>101280</b>	Prepayment Hotline on ESP 1
<b>101289</b>	Prepayment Hotline on ESP 2
<b>10129</b>	Call answer - call forwarding
<b>10131 - 10135</b>	Automatic reverse charge call services (multi-lingual)
<b>10136 - 10130</b>	Universal card calling (multi-lingual)
<b>10171</b>	Regional front office
<b>10177</b>	Ambulance emergency
<b>10178</b>	Reserved for fire brigade
<b>10170</b>	Regional front office
<b>1019</b>	Automated voice system (AVS)
<b>10210</b>	Account enquiries (call centres)
<b>10212</b>	Engineering faults (call centres)
<b>10214</b>	Ships at Sea
<b>10215</b>	Telkom internal use
<b>10216</b>	Fixed time booking (multi-lingual)
<b>10217</b>	Business Call Centre
<b>10218</b>	PO Phonogram
<b>10219</b>	Application for new services (call centres)
<b>1022</b>	Emergency call difficulties (multi-lingual)
<b>1023</b>	Directory information (multi-lingual)

<b>1024</b>	Payphone service difficulties
<b>1025</b>	Demand services (english)
<b>1026</b>	Time
<b>1027</b>	Demand services (multi-lingual)
<b>1028</b>	Phonogram (multi-lingual)
<b>1029</b>	Changed number interception (multi-lingual)
<b>1091</b>	Telkom internal usage
<b>1096</b>	Time (multi-lingual)

<b>080</b>	Telkom Freecall
<b>086</b>	Telkom Inbound call services
<b>0860</b>	Sharecall
<b>0861</b>	Maxicall
<b>0862</b>	Televoting
<b>0863</b>	Virtual Private Networks
<b>0864</b>	Wide Area Centrex
<b>0865</b>	UPT
<b>0866</b>	Account/Credit Card Calling
<b>0867</b>	Premium Rate Service Kiosk
<b>08693</b>	VPN Remote Access
<b>08699</b>	Special Events
<b>088</b>	Paging and Virtual Telephony
<b>0880</b>	Caller Pays Paging
<b>0881 – 0885</b>	Virtual Telephony
<b>089</b>	Maxinet

### Geographic Service Codes

Multi-exchange area codes **011, 012, 021, 031, 041** and **051** together with all applicable ABC codes in use NOT included in SCHEDULE 4.

All geographic area codes listed in SCHEDULE 2 together with all applicable ABC codes in use NOT included in SCHEDULE 4.

## SCHEDULE 6 - DATA NUMBERS

### PART 1—DATA NUMBER COMPONENTS

#### Number structure

1.1 The components of a data number are:

Address format prefix	International Data Number
-----------------------	---------------------------

	Data network identification code (DNIC)	Network terminal number
--	---	-------------------------

	Data country code	Network code	Private network identification code	Geographic routing code	Private network terminal number
--	-------------------	--------------	-------------------------------------	-------------------------	---------------------------------

### PART 2—EXPLANATION OF COMPONENTS OF DATA NUMBERS

Component	Number of digits	What are the digits?	Purpose
<b>Address format prefix</b>	1 digit	Must be '0'	Distinguishes a full international data number (IDN) from an abbreviated form of data number
<b>Data country code</b>	3 digits	The digits assigned by the ITU-T for use in South Africa	Identifies that the number has been assigned by the ITU-T, for use in South Africa it is digits '655'
<b>Data network identification code (DNIC)</b>	4 digits	The combination of a data country code followed by a network code	Identifies the data network being contacted In South Africa, DNICs used include:

Component	Number of digits	What are the digits?	Purpose
			'6550' - Saponet-P '6551' - Teletex '6552' - Transnet '6559' - Potelin
<b>International Data Number</b>	14 digits		The combination of a data network identification code (DNIC) followed by a network terminal number. This is the usual form of address available to make a data network call, and must be preceded by an address format prefix (digit '0')