



Republika e Kosovës
Republika Kosova-Republic of Kosovo



Autoriteti Rregullator i Telekomunikacionit
Telecommunications Regulatory Authority
Regulativni Autoritet Telekomunikacije

No.prot. 153/07

**NUMBERING PLAN FOR TELECOMMUNICATION
NETWORKS IN REPUBLIC OF KOSOVO**

Pursuant to Sections 4(4), Section 37 of the Telecommunications Law UNMIK/RREG/2003/16, the Telecommunications Regulatory Authority of Kosovo has adopted the following Regulation on Numbering Plan for Telecommunication Networks in Kosovo.

General provisions

Article 1

(Purpose)

The purpose of the Numbering Plan for the telecommunication networks in Kosovo is to provide:

- a) Efficient management of the numbering resource for the public telecommunication networks and public telecommunication services;
- b) Non-discriminatory access to the numbers, series of numbers, names and addresses for each and every public telecommunication operator and public telecommunication service provider.

Article 2

(Subject)

The Numbering Plan refers to the allocation and usage of numbers, series and blocks of numbers, names and addresses for public telecommunication networks

and public telecommunication services.

Article 3

(Definitions and abbreviations)

Terms used in this Regulation from the telecommunications Law shall have the meaning ascribed to them therein.

In addition, the following expressions and abbreviations are used in the text with the following meaning:

- Numbering Plan denotes a structure of numbers, series of numbers, names and addresses and a schedule of their utilization in providing access to public telecommunication networks and/or public telecommunication services.
- Series of number denoted continual sequence of numbers of a certain length.
- “End User” denotes one or more legal or natural persons that have entered into a contract for access to public telecommunication networks and public telecommunication services for their own needs or for provision of other types of services.
- “Number Portability” denotes the end useres right to retain an existing number, name and address during change of telecommunication services provider.
- Geographic portability denotes the end useres right to retain the existing number, name and address during change of geographic connecting point.
- Service portability denotes the end useres right to retain the existing number, name and address during change of services.
- Carrier denotes public telecommunication operator and/or public telecommunication services provider.
- ITU – International Telecommunications Union.
- ITU-T – International Telecommunications Union – Standardization Sector.
- ISO – International Standardization Organization.
- IEC – International ElectricalElectrical Commission.
- X. 121 international number for data denotes global unique information about the address of a terminal in data transmission network that is consisted of identification code for the data transmission network and terminal number within the frameworks of this data transmission network, with no more than 14 figures, in accordance with the recommendation X 121 of ITU-Standardization Sector.
- NTN – Network Terminal Number denotes identification of the connecting point within the frameworks of a separate network for data transmission, with

no more than 10 figures, in accordance with the recommendation X 121 of ITU-Standardization Sector.

Article 4

(Assignment and utilization of numbers, series of numbers, names and addresses from the Numbering Plan)

The numbers, series of numbers, names and addresses from the Numbering Plan may be used for public telecommunication networks or public telecommunication services only on the basis of an approval issued by the Telecommunication Regulatory Authority (hereinafter referred to as "the Authority").

The Authority shall assign numbers, series of numbers, name and addresses from the Numbering Plan for public telecommunication operators, public telecommunication service providers and end users. The assigning may be limited in respect of time.

In the assignment, the Authority shall take into account the following factors:

- a) efficient utilization of the numbering resources;
- b) need for sufficient numbering resources available during longer period of time;
- c) requests and wishes of the submitter of the request, the end users and the interested parties;
- d) costs that the submitter of the request and other public telecommunication operators and public telecommunication service providers and end users shall incur regarding the assignment;
- e) utilization of series of numbers that have previously been assigned to the submitter of the request for the appropriate telecommunication service;
- f) compliance of the request with the terms of the Authority regarding the previous assignments of numbers, series of numbers, names and addresses;
- g) relevant recommendations, standards and agreements; and
- h) other factors that the Authority considers relevant for the performing of the purpose of the Numbering Plan.

The Authority shall establish deadlines within which the assigned numbers, series of numbers, name and addresses shall be put into use.

Each user may reserve numbers, series of numbers, name and addresses within a period not exceeding two years. Each user of numbers, series of numbers, name and addresses shall be obliged to return the assigned resources if they are no longer used.

The assigned numbers, series of numbers, name and addresses may not be used for any other purpose except as stipulated in the assignment and may not be transferred or leased to another person without prior written consent from the Authority.

Article 5

(Fees and prices connected with the assignment and utilization of numbers, series of numbers, names and addresses)

An annual fee shall be paid for the assigned numbers, series of numbers, names and addresses in order to provide safe and efficient performing of the Authority's operations for assignment and utilization of the available numbering resources.

Administrative fees for the assignment and utilization of numbers and number blocks will be set in accordance with Section 9 of the Telecommunication Law.

Article 6

(Necessary data about the submitter of the requirement)

In submitting a request for assignment of numbers, series of numbers, names and addresses, the submitter of the request should submit the following data and information to the Authority:

- a) name and permanent seat of the submitter of the requirement;
- b) required number, series, name and address;
- c) description of the service;
- d) information about the prices and technical implementation of the service;
- e) documentation about the needs for numbering resources, including the anticipations for five years in advance;
- f) planned date for the commencement of utilization of the numbers, series of numbers, names and addresses for provision of public telecommunication services; and

g) other information considered relevant.

Article 7

(Term for making a decision regarding the requirement)

The Authority shall make a decision regarding the requirement for assignment of numbers, series of numbers, names and addresses within a term not exceeding 30 days after the day the requirement was submitted.

Article 8

(Disposal of assigned numbers, series of numbers, names and addresses from the Numbering Plan along with the subject activities)

The numbers, series of numbers, names and addresses assigned by the Authority may be disposed along with the activity under the condition that the new user satisfies the requirements for retainment of the numbers, series of numbers, names and addresses, if such a disposal is approved by the Authority.

After the cessation of the activity, the assigned numbers, series of numbers, names and addresses must be returned to the Authority.

Article 9

(Appropriation of assigned numbers, series of numbers, names and addresses from the Numbering Plan)

The Authority may seize the right of the operator of the public telecommunication network or the public telecommunication service provide and/or end user for possession and utilization of a number, series of numbers and its parts, name or address from the Numbering Plan if:

- a) the terms of assignment are not followed;
- b) the regulations in force are not complied with;
- c) the fees established by the Authority regarding the assignment and utilization of numbers, series of numbers, names and addresses are not paid;
- d) the number, series of numbers, name or address is not used;
- e) changes in the allocation of numbers, series of numbers, names or addresses are necessary;

- f) the numbering Plan is modified; or
- g) appropriation or temporary withdrawal is necessary as a result of extraordinary causes.

The Authority shall issue an announcement accompanied with explanation regarding the appropriation of numbers, series of numbers, names or addresses. The term for informing the provider and/or user that possesses and uses a number, series of numbers or its parts, name or address from the Numbering Plan shall depend on the cause and the purpose of the appropriation, but it may not be shorter than 60 days. If the appropriation is a result of unpaid fees to the Authority, the informing about the appropriation may be issued in a shorter time interval, but not shorter than 30 days.

The appropriation of numbers, series of numbers, names and addresses shall be performed through exclusion from the traffic by the operators of public telecommunication networks, and after written informing of the Authority.

Article 10

(Submitting reports to the Authority)

The operators of public telecommunication networks and public telecommunication services providers that have been assigned with numbers, series of numbers, names or addresses from the Numbering Plan should submit an annual report to the Authority until the 1st of February each year, disclosing the utilization of the assigned numbers, series of numbers, names or addresses. Under special conditions, the Authority may require submission of reports within shorter time intervals.

The report should include the following information about each assigned series of numbers:

- a) allocation of the series of numbers on various services, reimbursements etc.;
- b) percentage portion of numbers in active utilization;
- c) percentage portion of numbers that have been reserved, but are not actively used;
- d) percentage portion of non-assigned numbers;
- e) each assignment of series of numbers to other operators, i.e. providers;
- f) forecast for utilization of the series of numbers for each of the following three years; and
- g) any other information related to the utilization of the number that is required by

the Authority.

The report must also include information about any number from the series of numbers that is disposed to other operators of public telecommunication networks or public telecommunication service providers.

The report should include the following information:

- a) data transmission network numbering plan in a form of a short review;
- b) length of subscriber and/or final numbers;
- c) number of subscribers to the data transmission network or in the areas of individual numbers;
- d) each planned change in the numbering plan or the structure of the numbers;

Article 11

(Publicly available information)

The Authority enables public availability of the Numbering Plan, the assignments, the statistics and the reviews that accompany the assignments.

The Authority produces an annual report about its activities related to administrating and managing of the numbers.

Article 12

(Obligation for submission of data for telecommunications book)

The Authority may require the operators of public telecommunication networks and public telecommunication services providers that have been assigned with numbers, series of numbers, names or addresses to provide information for telecommunications book about numbers, series of numbers, names and addresses that have been given for utilization to the end users by such operators or providers.

The end users shall have the right to decide whether their numbers, series of numbers, names and addresses shall be made publicly available.

Numbering plan for networks of public telecommunication operators and public telecommunication service providers

Article 13

(Terms)

- **Prefix** - Prefix denotes an indicator consisted of one or more figures and enables selection of various types of numbers (such as local, national and international), transit networks and/or services.
- **International prefix** - Denotes a combination of numbers selected by the calling subscriber when it calls a subscriber in its country, but outside its numbering area.
- **Country code** - Denotes a combination of one, two or three figures and characterizes the called country.
- **Trunk code** - Denotes a figure or figures combination (excluding the national (trunk) prefix) that characterizes the called numbering area in the country. The trunk code is selected before the called subscriber number where the calling and called subscriber are in different numbering areas.
- **Subscriber number** - Denotes a number that should be selected or called in order to reach a subscriber in the same local network or numbering area. Usually, this number is shown in a phone book according to the name of the subscriber.
- **National (significant) number** - Denotes a number that should be selected after the national (trunk) prefix in order to reach a subscriber in the same country, but outside the same local network or numbering area. The national number includes the trunk code and the subscriber number.
- **Geographic number** - Denotes national number for particular geographic area.
- **Non-geographic number** - Denotes national number that is not connected to a particular geographic area.
- **International number** - Denotes number that is selected after the international prefix in order to reach a subscriber in another country. The international number includes the country code of the called country followed by the national number of the called subscriber.
- **National destination code (NDC)** - Denotes code field in the Numbering Plan that, combined with the subscriber number, constitutes the national

number included in the international number on digital network of integrated services. The NDC is used to select the network and/or the trunk code. NDC may be a decade figure or a combination of decade figures (without prefixes) that characterizes the numbering area in the country. The NDC should be inserted before the called subscriber number when the calling and the called numbers are in different numbering areas. NDC in ISDN (Integrated Services Digital Network) is identical to TC in telephony network.

- **Numbering area** - Denotes an area in which the calling subscriber reaches the called subscriber only on subscriber number. The numbering area may include subscribers connected to more switches.

Article 14

(National Numbering Plan and Structure)

The National Numbering Plan is in accordance with the recommendation E.164 of the ITU – Standardization sector.

Structure of the Numbering Plan

The National Significant Number (NSN)

The National Significant Number (NSN) will usually be eight digits long without a national prefix code „0□, notated by the sequence ABCDEFGH. The only exceptions to this are the short codes used for specific purposes in the Plan (see section 3.8 below).

The NSN Structure

The structure of the Scheme under new numbering plan is proposed as follows:

AB	Purpose
00	The international prefix code, used to access international dialing.
1X	Emergency, Short Numbers, Carrier Selection and Pre-Selection
2X	The Geographic Numbering Range
3X	The Geographic Numbering Range
4X	The Non-Geographic Numbering range: Mobile
5X	Reserved for Future Use
6X	Reserved for Future Use
7X	Reserved for Future Use

8X	The Special Services Numbering Range (Free phone, shared cost, etc)
9X	The Premium Rate Numbering Range

Table 1. *High level allocation of codes to purposes within the Plan*

International calls and calls to international services and international networks may be performed by utilization of the international prefix 00, the country code assigned by ITU and the national number.

The block series of numbers 5X, 6X and 7X are reserved for future needs in the Numbering Plan.

The rules and conditions regarding Carrier Selection and Carrier Pre-Selection shall be dealt with a separate Regulation.

Standards and standard presentation

Standards

So far as it is practicable, the Scheme will conform to the relevant international standards. In particular, attention is drawn to the following ITU-T Recommendations, or their functional successors:

- **E.123** - Standard notation for national and international telephone numbers
- **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** - The international public telecommunications numbering plan.
- **E.166** - Numbering plan for inter-working the
- **E.164** and X.121 number plans.
- **X.121** - International numbering plan for public data networks.

International service numbering

ITU-T Recommendations E.169.2, E.169.3, E.175, E.191 and E.195 describe the role of the ITU-T in introducing universal services. The allocation of numbers for such services (e.g. International Free-phone 00800) is the responsibility of the ITU-T.

Country code

The country code will be allocated by the ITU-T after resolution of the Kosovo status. At present, code 381 is in use for Fixed Services and code 377 is in use for Mobile Services.

Maximum number of digits

Particular attention is drawn to ITU-T Recommendation E.164 which states that the maximum number of digits that a national system is expected to handle on an outgoing international call is fifteen (15) (excluding the international dialing prefix).

Alphanumeric arrangements

The Plan will use the decimal character set 0-9 for all number allocations. Letters and other non-decimal characters will not form any part of the NSN.

Allocation of letters to numeric keypads

The use of the following keypad arrangement is strongly recommended, in line with ITU-T Recommendation E.161 Option A:

Numeric digit	Associated letters
1	No letters
2	ABC
3	DEF
4	GHI
5	JKL
6	MNO
7	PQRS
8	TUV
9	WXYZ
0	No letters

Table 2: *Allocation of letters to numeric keypads*

International Prefix (AB = 00)

The international prefix 00 shall be used for international dialing from within Kosovo. The digits of the country code and the NSN will follow this prefix. This also applies, where relevant, to ISDN data calls. Where an operator supports the use of handsets with the „+□ character, this shall be interpreted as the International Prefix when used at the beginning of a dialing sequence. Currently 00 is used when dialing from mobile network, while 99 is used when dialing from

fixed network. Therefore in the interim period, both numbers should be supported, as explained in section 4.

Access Codes and Short Codes (1X)

General

Access codes are short, generally memorable, three to six digit numbers, usually beginning with 1, which allow end users to access a wide range of telephony services. Access codes are categorised by the type of service for which they are used. There are three types of access codes: Types A, B and C.

Type A access codes

Type A access codes are used by callers to reach commonly used services, such as emergency services, operator services or information services such as the speaking clock. These codes may be used throughout Kosovo by all operators offering equivalent services (and may not be used by any operator for any other service). The identification and dialling of Type A short codes should be consistent across all networks. It should be possible to dial Type A codes from any network or telephone in Kosovo. These codes may originate on one network but should be terminated by any other network. Therefore, each of the operators and/or service providers would need to make appropriate interconnection arrangements to route these calls. For example, 112 emergency access number falls into this category. Type A codes will be designated individually by the Authority for such services, and not allocated to a particular operator or a service provider.

Type B access codes

Type B access codes have network-wide significance as they are used by the end users of one public telecommunications operator to have selected calls connected by an operator other than the one from whom they rent their telephone line (known as Carrier Selection (CS) or Carrier Pre-Selection (CPS)). For example, callers might use Type B codes to select Carrier Selected providers for long distance and/or international calls. Type B codes can also be used by callers to access services available from their own operator's system or another public operator's system. These codes are allocated by the Authority, and shall be in the format 10XX, whereby XX will indicate the selected carrier (operator). The issues of

Carrier Selection and Carrier Pre-Selection, as an important prerequisite for the development of a competitive market, shall be formally introduced through a regulation, following a public consultation process.

Type C access codes

Type C access codes are set aside for independent use by public telecommunications operators, either to provide particular services exclusively to their directly connected end users or for internal network operations. This might include codes for access to sales services, fault reporting or general enquiries. Operators of different systems have the opportunity to choose corresponding codes where it is convenient and potentially beneficial to adopt a common approach, but are not obliged to do so. A set of short codes needs to be allocated to each operator or service provider to offer network-specific services to its own customers, and the call would only be routed and terminated on the same network. Therefore, it is not required that the dialing of these codes be routed outside an operator's network. While the Authority designates a range, it does not allocate Type C codes but, based on information supplied by operators, their use is recorded in the Plan.

Number of digits

Given the need to ensure reasonable numbering capacity, allocation of access codes will generally be on the basis of 3, 4, and 5 digits.

Emergency numbers

In order to minimise the risk of misdialing or incorrect routing on emergency calls, the use of digits 92, 93, 94 and 112 in prominent positions in longer number strings should be avoided. Emergency numbers fall into Type A category of access codes. EU Directives and Recommendations define 112 as number for accessing emergency services, while other numbers in the range 110-119 are reserved for a harmonized approach for special services across EU.

Old emergency numbers are 92, 93, 94, 95 In the new numbering plan these numbers shall be migrated to range 1X, using prefix 19. This way, 192 is used to access police, 193, to access fire brigade services, 194 ambulant emergency services.

Short odes

The use of short codes represents substantial numbering capacity and, for this reason, is recorded in the details of the Plan, where information is provided.

Code	Service	Type
110 - 111	Reserved	A
112	Emergency Services	A
113-119	Reserved	A
192	Police	A
193	Fire Brigade	A
194	Ambulance	A
195	Time	A

16X-16XXX		C
10XX	Carrier Selection	B

Table 3: Allocation of codes in the 1X range

Seritë e numeracionit gjeografik (2x,3x)

Përdorimi i serisë së numeracionit gjeografik

Në këtë skemë, seritë 2X dhe 3X janë caktuar si Seri të Numeracionit Gjeografik emërtuar si Seritë e Numeracionit Gjeografik (Geographic Numbering Range-GNR). Formatit momental i numeracionit gjeografik është AB-CDEFGH apo ABC-DEFGH, që do të thotë se në disa regjione NDC=2 shifra, SN=6 shifra, në tjera regjione NDC=3 shifra, ndërsa SN=5 shifra.

Për qëllime praktike, falë mungesës së kodit ndërkombëtar për Kosovë, ky format i NDC dhe SN për seritë e numeracionit gjeografik do të mbetet siç është, gjatë periudhës së përkohshme, derisa Kosovës t^u caktohet kodi i saj.

Me caktimin e kodit ndërkombëtar, ART do t^u bëjë ndryshimet e duhura formatit të serisë së numeracionit gjeografik, që do të përbëhet nga formati i NDC=2 dhe SN=6 shifra, për të gjitha zonat gjeografike.

Autoriteti do të bëjë paralajmërim së paku 1 vit më herët, për çfarëdo ndryshime të ardhshme në kod, në mënyrë që të iu mundësojë operatorëve dhe shfrytëzuesve të përgatiten për këtë ndryshim.

Sa i përket vendimit se si do të përdoren kodet e ardhshme 2X apo 3X, Autoriteti do të ketë parasysh këta faktorë:

- a) zonat ku sasia e pakët e numrave mund të ketë ndikim;
- b) rritja e parashikuar e kërkesave për numra;
- c) trendet demografike dhe biznesore;
- d) prania e grupeve të interesuara;
- e) nevoja për përdorim efektiv të resurseve numerike; dhe/apo
- f) çfarëdo përfaqësimi që vjen në emër të bashkësive lokale.

Për të lehtësuar kalimin nga shfrytëzuesi i produktit në kodet dhe numrat e rinj, operatorët duhet të sigurojnë se masat në vijim do të ndërmerren kudo që të jetë e mundshme:

- a) përdoruesit e produktit duhet të njoftohen dhe të bëhet reklamimi para ndryshimit;
- b) duhet të ekzistojë një periudhë paralele kur do të jenë në dispozicion edhe

- numrat me kode të vjetra edhe ato të reja; dhe
- c) pas zbatimit dhe përfundimit të ndryshimit në numeracion, duhet të bëhet lajmërimi.

Një tregues i zonave të shërbyera nga secili prej kodeve në GNR është i dhënë në Plan. Autoriteti do të japë këshilla në lidhje me procedurat për operatorët e licencuar, se si ata të sigurojnë një hartë të Kosovës e cila tregon zonat dhe kodet e përdorura. Autoriteti do të siguroj që detaje më të sakta të kufijve të sigurohen, kur është e nevojshme.

Kufijtë e zonave të mbuluara nga GNR do të shërbejnë si material për operatorët që ofrojnë shërbime në apo rreth këtyre zonave. Autoriteti mund të bëjë ndryshime nëpër vijat kufitare pas konsultimeve me palët relevante të interesuara.

Geographic numbering ranges (2X & 3X)

Use of the geographic number range

In the Scheme, the 2X and 3X ranges have been designated as the Geographic Numbering Ranges (GNR). Current format of geographic numbers is AB-CDEFGH or ABC-DEFGH, which means that in some regions NDC=2 digits, SN=6 digits, in other regions NDC=3 digits, while SN=5 digits.

For practical reasons, due to lack of the International Country Code for Kosovo, this format of NDC and SN for Geographical Numbering Ranges shall be kept as it is, during the interim period, until Kosovo is assigned its Country Code.

Once the International Country Code is assigned, the TRA shall make appropriate changes to the format of Geographical Numbering ranges, which shall consist of having a uniform format of NDC = 2 and SN = 6 digits for all geographical areas.

The Authority will give at least 1 year notice of any future code change to enable operators and users to prepare for it.

In deciding how future 2X or 3X codes should be used, the Authority will 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) the existence of communities of interest;
- e) the need for efficient utilisation of numbering resources; and/or
- f) Any representations received on behalf of local communities.

To ease the migration by end users to new codes and numbers, operators shall ensure that the following measures are in place wherever possible:

- a) there must be adequate notification and publicity to end users prior to a change;
- b) there must be a period of parallel running when numbers to both the old and new codes are available; and
- c) there is a changed number announcement after the completion of the change

An indication of the areas served by each of the codes in the GNR is given in the Plan. The Authority will advise on the procedure for licensed operators on how to obtain a map of Kosovo showing the areas and codes used. The Authority will ensure that more precise details of the boundaries can be obtained, when necessary.

The boundaries of the areas covered by the GNR will be material to the operators offering services in or around those areas. The Authority may make changes to the boundaries following consultation with relevant interested parties.

14.1.1. Conservation measures

Geographic numbers will normally be allocated to applicants in blocks of 10,000 with CD digits in the appropriate area code range.

This Plan adds very significantly to the pool of available numbers and it is unlikely that exhaustion of numbers will occur under the Plan. If, because of some localised pressure on the numbering pool, the Authority considers that exhaustion is a possibility, then it may announce conservation measures. In those areas where conservation measures have been announced, numbers may be allocated in blocks of 1,000. Accordingly, conservation measures will not only enable the Authority to delay implementing code changes, but may remove the need for some code changes altogether.

The Authority will publish and revise as appropriate a list of Conservation Areas. The assessment of what constitutes a Conservation Area takes into account confidential audit returns, actual allocations over recent years, and the Authority's knowledge of local factors.

Conservation Areas will be separated into two types:

- a) Conservation Areas where numbers will be allocated in units of 1,000 (Type A Conservation Areas); and
- b) Conservation Areas where numbers will be allocated in units of 10,000 (Type B Conservation Areas).

Type A Conservation Areas are those which the Authority believes are within two years of exhausting the 10,000 number blocks available. In addition to allocating new blocks in those areas in units of 1,000 numbers, the Authority may, following at least six months written notice to operators, withdraw such 10,000 number blocks as have been previously allocated to them, and reissue to them an appropriate number of 1,000 number blocks from that 10,000 number block. An appropriate number in this context will be sufficient to cover existing usage and reasonable future utilisation.

Allocations in Type B Conservation Areas shall be conditional upon operators planning their usage of numbers in units of 1,000 at a time, and, should the area become a Type A Conservation Area, the Authority may withdraw and reissue numbers in accordance with previous clause above.

Additionally, in order to conserve numbers, the Authority will not normally open a new 100,000 range while numbers are still free in previously opened ranges within that code area.

Operators licensed to offer service in more than one local geographic code area must seek an allocation of number blocks for each of the relevant codes in those areas in which they wish to provide service in accordance with the GNR.

Non-geographical mobile services (4X)

The 4X range has been designated for non-geographical mobile services. These are services that enable end users to be connected, whatever their location, where the call charge is not distance dependent.

As the telecommunications markets develop and especially after the allocation of the Country Code for Kosovo, specific rules for allocation of numbers within this range for different services will be further clarified. In general, it can be stated that allocation blocks for this range can be in 10,000 or 100,000 or 1,000,000 depending on the service.

Generally speaking, mobile network operators (MNO), shall have allocation blocks of 1,000,000 (one million), while mobile virtual network operators (MVNO) shall have smaller numbering blocks allocation.

Reserved ranges (5X, 6X and 7X)

The 5X, 6X and 7X ranges of numbers are protected for future use.

Special services (8X)

The 8X range has been designated exclusively for Special Services. These are services paid for through the telephone bill of a subscriber, and charged at special rates. The cost of the call to services in the 8X range shall be:

- a) paid by the called party;
- b) shared between the caller and the called party; or
- c) paid wholly by the caller.

Operators and service providers shall offer services at the stated tariffs, which shall be no higher than the tariff for standard geographic calls in the 2X and 3X ranges.

Allocation of numbering in the 8X range will normally be in blocks of 10,000. In order to allow meaningful tariff information, C digits having the following significance:

Code	Service
8X0	No charge to caller
8X1	Reserved
8X2	Reserved
8X3	Reserved
8X4	Cost shared with operator
8X5	Reserved
8X6	Reserved
8X7	Cost born by the caller
8X8	Reserved
8X9	Reserved

Table 4 Allocation of Special number codes in the 8X range

Initially, 800 DEFGH shall be used for services, where there is no charge to the caller, i.e. free-phone services. The Authority may designate further sub-ranges for specific services/tariffs from time to time.

The Authority will publish such changes through the web site and other mechanisms it deems appropriate.

Premium Rate Services (9X)

General

The 9X range has been designated for Premium Rate Services, both with and without content. In order to preserve capacity and to provide service meaning to callers, codes will be allocated with C-digits having the following significance:

Code	Service
9X0	Premium Rate Content Services
9X1	Premium Rate Non-Content Services

Table 5 *Classification of Premium Rate service numbering*

Premium Rate Services

Premium Rate Services are normally expected to have the following characteristics:

- a) they are paid for through the telephone bill of a subscriber;
- b) they are charged at rates above Special Services in the 8X ranges;
- c) the revenue for the call, which comprises the price of the telephone call plus the content, product or service, is shared between the operator and the provider of the service whether directly or indirectly; and
- d) Premium Rate Content Services in the 9X0 sub-range are those services which, apart from having the characteristics above, include a charge for the content of the call or other product or service delivered in the course of, or as a direct consequence of, the call, which charge is in addition to, or forms part of the overall charge for, the telecommunications service which delivers that content, product or service.

Premium Rate Non-Content Services in the 9X1 sub-range are those Premium Rate Services which are not Premium Rate Content Services. These might include calls to specialist technical help centers where the call is a voice to voice call with no specified content.

Allocation of numbering in the 9X0 and 9X1 ranges will normally be in blocks of 10,000. In order to provide service and tariff meaning to callers, Premium Rate call codes will be allocated with D digits having the following significance:

Code	Service
9X00 and 9X01	Calls with specified maximum

	charge
9X02 to 9X04	Reserved
9X05 and 9X06	Open ended charge
9X07	Purchase of products costing
9X08 and 9X09	Reserved

Table 6 *Tariff meaning of Premium Rate numbering*

Due to existing usage of short numbers 92, 93, 94 for emergency services, in the immediate period after the publication of the new numbering plan, X = 2, 3, and 4 will not be allocated. This time period is to be decided in consultation with relevant stakeholders.

Article 15

(Conventions for other codes and numbers)

The Authority recognizes that there is a need to manage other aspects of numbering in addition to those covered above. These include:

- Public and Private Data Telecommunications codes
- Legacy system codes (e.g. Telex), etc

The introduction of a new method of controlling numbering as well as a new numbering plan is a major undertaking and the Authority recognizes that it may take some time to settle down. For this reason it does not intend, at this stage, to pursue the management of these aspects although it will return to them at a future date, after the allocation of Country Code.

Article 16

(Number portability)

The Authority shall issue a regulation with respect to the implementation of number portability at such time as it deems appropriate, and after a proceeding to determine technical feasibility of a system providing a right to the end user to port the geographic or service number assigned by an operator.

Transitional and final provisions

Article 17

Within 3 months of the enforcement of this Plan, PTK J.S.C. shall submit to the Authority, an up-to-date report on the utilization of existing numbering resources, and shall submit a formal application for assignment of any new numbers and/or number series from this Plan.

Article 18

The Regulation on Numbering Plan shall enter into force upon the date of signature.

Annex 1 of this Regulation is the Application for assignment of numbers and/or series of numbers

Prishtina,
Date: 14/05/2007

Telecommunication Regulatory Authority
Anton Berisha, Chairman

ANEX 1



Republika e Kosovës
Republika Kosova-Republic of Kosovo



Autoriteti Rregullator i Telekomunikacionit
Telecommunications Regulatory Authority
Regulativni Autoritet Telekomunikacije

Application

for assignment of numbers/series of numbers

1. BASIC DATA

To be filled in by a physical person

Name and surname	
Address	
PIN	

To be filled in by a legal entity

Company (name in full)	
Address	
Headquarters	
Tax number	
Gyro account number	
Business Registration number	
Telephone number	
Fax number	
Email	
Website	

2. TYPE OF APPLICATION

- First-time Application for numbers (fill in 3.a., 3.b., 3.c.,3.d)
- Application for additional numbers (fill in 3.a., 3.b., 3.c., 3d.)

Faqe 22 nga 30

- Application for change of number (numrave) (fill in 3e.)
- Application for change of holder of right to use the number (numbers) (fill in 3.f.)
- Application for cancellation the assigned number (numbers) (fill in 3.g.)

3. NUMBERS/SERIES OF NUMBERS

3. a. Series of numbers in the fixed telephony / mobile communications network

(Fill in the public electronic communications network for which you require series of numbers _____)

Numbering area	NDC (Fix/Mobile)	First number	End number	Block size	Usage commencing date

Deadline specified by the Applicant for the assignment of numbers or series of numbers _____

3.b. Abbreviated number within a geographic numbering area

Abbreviated number	NDC	Type of service	Usage commencing date

Deadline specified by the Applicant for the assignment of number _____

3.c. Short codes for value-added text mesaging(SMS) services

First Number	End Number	Block Size	Type of service	Usage commencing date

Deadline specified by the Applicant for the assignment of numbers _____

3.d. Non-geographic numbers (for special services/ premium rate)

Access Code	First number	End number	Block size	Manner of tariffing (ex. per minute or call)	Type of service	Adults-only service (yes/no)	Usage commencing date

Deadline specified by the Applicant for the assignment of numbers _____

3.e. Change of numbers/series of numbers

Please change the following numbers/series of numbers

_____ to: _____
 _____ to: _____
 _____ to: _____

Replacement due date: _____

Additional information (state reason of change): _____

3.f. Change of holder of right to the use of numbers or series of numbers

Please change the holder of right to the use of numbers/series of numbers:

from: _____

(Name of previous holder of right to the use of number/series of numbers and address)

to:

(Name of new holder of right to the use of number/series of numbers and address)

Replacement due date: _____.

Additional information (state reason of change): _____

_____.

3.g Cancellation of assigned numbers/series of numbers

Please cancel the following numbers/series of numbers:

Cancellation date: _____.

Additional information (state reason of cancellation): _____

_____.

4. Other documents and attachments

a. _____

b. _____

c. _____

(Name and surname of an Applicant or its duly authorized representative)

(Address)

(Signature)

(Date)

(Application reception date)

ANEX 2



Republika e Kosovës
Republika Kosova-Republic of Kosovo

Autoriteti Rregullator i Telekomunikacionit
Telecommunications Regulatory Authority
Regulativni Autoritet Telekomunikacije



No.prot. 99/1 /10

ANEX 2

REGULATION Nr. 153/07

NUMBERING PLAN FOR TELECOMMUNICATION NETWORKS IN REPUBLIC OF KOSOVO

Short Codes for Value-added Text Messaging(SMS) Services (VAS-SMS)

Article 1

(Description of value added SMS)

- 1.1. Value added text messaging constitutes the use of SMS¹ to provide a content service or product to the consumer, often incurring a premium charge related to the content. The value added to the text message, by the application or content contained within, is assumed to be above and beyond that of a standard text message and the consumer knowingly consents to be billed for that added value.
- 1.2. Some of the types of services that could be available from network operators and service providers through value-added SMS, including Premium-rated content, are:

¹ Short Message Service

- a) event-driven content - e.g. goal-by-goal football alert for a favourite team, personalised stock information, industry sector news alerts;
- b) travel information - e.g. localised real time traffic news, flight/ferry information;
- c) polling (spectators can participate in their preferred programmes in real television time, radio, news through text polling);
- d) donacion (kontribut për një çështje të caktuar);
- e) business and commerce applications;
- f) ringtone downloads;
- g) gaming;
- h) competitions;
- i) location information.

Article 2

(Choice of 5-digit code)

- 2.1. Numbering structure of value added SMS services is composed from a 5 digit code, first digit of which is 5, while second digit indicates the price of the service (*table 1*). Codes 5XXXX, will be in disposal for mobile networks for use SMS with value added services.
- 2.2. Mobile operators are obliged to migrate each inappropriate service which operates currently in their networks and to fit to the specification of this document. Numbering range for SMS with value added services in the fix network will be treated separately in different period when TRA thinks that such issue is necessary.
- 2.3. Short codes which will be allocated according to this Annex - Plan actually are realized only in/from mobile networks. Similar codes will not be in disposal in fix nets. TRA is opened in considering the requests to which would require authorization of access from fix networks.

Article 3

(Description of the Value-added Text Messaging(SMS) Services)

- 3.1. These are 5 digit codes in the range 5BCDE, which will be used usually for goals of advanced SMS messages and services EMS²/MMS³.
- 3.2. These codes are meant only for use of services based on text and can be allocated to public operators of telecommunications, providers of telecommunication public services, providers which offer contents, and users/consumers.
- 3.3. Codes in disposal are separated in different blocks for aim of charging the consumers, while their allocation regarding the quantity will be made depending from reasonable request of the applicant (table 1).
- 3.4. Operators and service providers can use these codes only for reasonable services, in accordance with specific conditions determined in this document.
- 3.5. Short codes of the series 5XXXX, depending from the service are presented in the following table:

Range	Lloji i Shërbimit Category	Kodet në Dispozicion	Vërejtje
50 000 - 50 499	FreeText rate	500	Free of charge
50 500 - 50 999	Reserved	500	
51 000 - 51 999	Standard rate	900	Except block: 51 300 - 51 399
52 000 - 52 999	Reserved	1000	
53 000 - 53 999	Basic Premium rate	1000	Up to 0,50€ (include VAT)
54 000 - 54 999	Reserved	1000	
55 000 - 55 999	High premium rate	1000	Up to 0,50€ (include VAT)
56 000 - 58 999	Reserved	3000	
59 000 - 59 999	Adult/ Variable price	1000	

Table 1: Codes which will be in disposal value added text message (SMS) services

Description of the above table:

- a) **FreeText rate** - means that all SMS, sent in numbers which belong to this block of numbers will be Free of charge.
- b) **Standard rate** - means the published standard charge made to consumers for ordinary SMS messages

² Enhanced Messaging Service

³ Multimedia Message Service

- c) SMS with **Premium basic rate** charge should not be used for services where tariff exceeds the value added in the table.
 - d) **High Premium rate** codes can be used for services where charge is high (e.g. 0,50 €), meaning that this block of numbers cannot be used for services which incriminate lower payment.
- 3.6. For high premium rate SMS, TRA recommends to the operators/service providers that the determination of maximum tariffs to be reasonable, in order to eliminate cases of application of tariffs which exceeds the maximum limit.
- 3.7. Codes presented as reserved for each category will be opened for use only when the respective codes not reserved are in maximum use. These codes will be allocated temporarily to the categories prescribed in the table, but they can be separated as alternative for other categories according to the needs which will be dictated from the needs of the market. Nevertheless this excludes the possibility that codes for adults (ages above 18) 59xxx, can be used for other purposes.

Article 4

(Conditions for Value-added Text Messaging(SMS) Services)

- 4.1. Network operators shall not charge originating callers for sending text messages (*including MMS*) to mobile 50XXX numbers, regardless of which network operators or service providers are involved in the calls;
- 4.2. The charge to customers for text messages sent to mobile 51XXX numbers shall in no case exceed the published retail cost of a standard SMS text message of the network from which the message is originated;
- 4.3. Short codes for SMS with Premium rate are numbers which belong to the range 54XXX till 59XXX;
- 4.4. Applicants for short codes 5XXXX can be public operators of telecommunications, providers of telecommunication services and users/consumers.
- 4.5. The charge to customers sending text messages to mobile numbers in the range 53000 - 53999 (Basic Premium Rated services) shall in no case exceed €0.50, including VAT;
- 4.6. Entity at which has been allocated short codes 5XXXX and and want to transfer the code to another entity must be assured that the transfer should

be made according to the Law of Telecommunication and the Numbering Plan

- 4.7. Adult type Premium Rate services (e.g. those associated with gambling or those of a sexually suggestive) shall be provided only using 59XXX range.
- 4.8. The charge to customers sending text messages to any Premium rate service must be declared clearly from the providers of the services with premium rate in all their promotions.

Note: The aim of the conditions for VAS-SMS odes this field is careful not to be limited only in messages SMS, in case of expansion of the cover a link is needed with these fields (e.g. new types of messages of the fix net, messages 2,5G/3G, etc). Nevertheless, such needs actually are not foreseen.

Article 5

(Malicious of the Short Code)

- 5.1. All users of the short codes who malicious or abused by offering services through short codes will be subject of penalization according to the laws in force in Republic of Kosova. This includes the reserved right of TRA, for automatic revocation of the short code, if TRA possesses facts that there was a abusation.

Article 6

(Entering into force)

- 6.1. This annex will enter into force and will be applicable from the date of its signing.

Prishtina, 25 October, 2010

Telecommunication Regulatory Authority

Ekrem Hoxha, Chairman