

NUMBERING RULES AND NATIONAL NUMBERING PLAN

Communications Commission of Kiribati

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# PART 1 - PRELIMINARY

1. These Rules establish the process for the management and operation of the National Numbering Plan, the contents of the plan, the process of allocation of numbers from the plan, and the terms and conditions of use of numbers that have been allocated from the plan.
2. These Rules are made in accordance with the Communications Act of 2012, in particular Part IX, Sections (64) and (65).

## Short title and effective date

1. These Rules may be cited as the Numbering Rules 2014 and are effective as of 1 September 2014.

## Applicability of Rules

1. These Rules apply to all Service Providers and users of the National Numbering Plan.

## Aims of the Rules

1. These Rules are intended to:
2. ensure transparent and non-discriminatory access to national numbering resources for all service providers and users
3. take account of the unique characteristics of Kiribati’s communications market and geography
4. establish a numbering plan that both recognises the current numbering arrangements and, where appropriate, develops changes to create a modern numbering plan
5. ensure flexibility in the numbering plan to cater for future requirements
6. specify the management and administration of the National Numbering Plan, including the responsibilities of the various stakeholders, the standards to be followed, and the information to be published
7. allow solutions to be resolved by market mechanisms wherever possible and reasonable
8. be forward-looking
9. seek to ensure that the effects on users and service providers of any changes to the numbering plan are justified and proportional

## Amendments to the Rules

1. The Commission may, from time to time, review and amend the Numbering Rules including the National Numbering Plan contained therein, taking into consideration technological innovation, market developments, and international best practices in this area.
2. Where appropriate, amendments will only be made after consulting with the relevant stakeholders. Following any such amendments, service providers will be given a period of notice after which they will be required to comply with any such amendments.

## Definitions and Interpretation

1. The words and expression used in these Rules shall have the same meaning set forth in the Communications Act 2012, including the definitions set forth below:

‘Activated’ means the status of a number, which is fully operational such that it is able to support the communications service for which it is designated. Therefore “activation” implies bringing the number into service so that calls can be made to that number

‘Allocation’ means the granting of rights of use over numbers from the designated number ranges. Allocation does not imply the granting of any propriety rights to the numbers

‘Allocatee’ means a service provider or end-user to whom an allocation of numbers has been made

‘Dialling Plan’ means those numbers that are outside the normal E.164 numbering range and are dialable only within the network in which they are provided, or nationally between networks where interconnection is provided. For example, 1XX short codes fall within this category.

‘Donor Service Provider’ and ‘Recipient Service Provider’ in number portability means the donor service provider is the service provider of the user prior to porting, and the recipient service provider is the service provider of the user after porting.

‘E.164’ means the ITU-T recommendation E.164 entitled “The international public telecommunications numbering plan”

‘Fixed service’ means any communications service, including voice, date or video that is provided to the public over a fixed communications network

‘Freephone number’ means a special telephone number which is free (or toll-free) for the calling party, and where the called party is charged for part or the whole of the cost of the call

‘Golden Numbers’ mean specially designated numbers that include any particularly memorable sequence of digits, numbers containing patterns of digits, number repetitions, symmetry, pairs of digits etc…

‘ITU-T’ means the ITU Telecommunications Standardisation Body

‘Mobile service’ means a communications service provided to the public by means of radio communications access facilities that transport messages between the cell area of one antenna to the cell area of a different antennae

‘National Numbering Plan’ means the Plan specifies the status of numbering blocks from within the designated E.164 numbering range and is as published by the Commission from time to time. The initial construct of the National Numbering Plan is contained in Schedule 1 attached to this document

‘National Significant Number’ means that portion of an E.164 compliant number that identifies a national subscriber i.e. the digits following the country code

‘Numbering Portability’ means the ability for a subscriber to retain their number when changing from one service provider to another

‘Numbering Return’ means a report to be made by a Service Provider to the Commission as requested showing (inter alia) the current use of the allocation, the number of numbers in service and a forecast of future use

‘Premium rate number’ means a special telephone number for which prices higher than normal are charged and where part of the revenue from the calls to these numbers is paid to the service provider

‘PSTN’ means the Public Switched (fixed) Telephone Network

‘Quarantined Numbers’ mean numbers which are designated as being unallocatable for a period of time, for example following a numbering change. This designation is to avoid numbers that have been withdrawn from being immediately re-allocated with the risk of potential customer confusion. The period of time for which numbers are quarantined will be determined by the Commission taking into account, for example, their former use

‘Service provider’ means a person who holds an Individual licence to provide communications networks and services in accordance with the Communications Act 2012

‘Short Codes’ mean 3, 4 or 5 digit numbers, typically beginning with the digit 1 that are outside the normal E.164 numbering range and are only therefore dialable within the network in which they are provided or nationally between networks where interconnection is provided.

# PART 2 – OVERALL RESPONSIBILITY WITH RESPECT TO THE RULES

## Commissions’ Responsibilities

1. In accordance with Communications Act 2012, the Commission shall be responsible for the overall management of the National Numbering Plan and for the allocation of numbers from that plan.
2. In undertaking this role, the Commission shall:
3. endeavour to ensure that adequate numbers and numbering ranges are available for all communications services throughout the country and since numbers and codes are a finite national resource, shall manage the numbering plan in the interest of the whole country
4. allocate numbers in an objective, non-discriminatory, proportionate and transparent manner and on the basis of individual applications
5. allocate short codes for use within the dialling plan where appropriate
6. allocate other codes (e.g. Data Network Identification Codes, Signalling Point Codes) as appropriate
7. ensure that the structure of the numbers in the numbering plan shall be designed, as far as possible, to minimise inconvenience to users and be consistent with the efficient use of the service providers’ communications networks
8. from time to time, carry out inspections and other evaluations to verify that the use of numbers are in accordance with the conditions of use
9. require service providers to fully comply with the Numbering Rules and the National Numbering Plan and, from time to time, verify that compliance is taking place
10. require service providers to make changes to their numbering plans where necessary and to oversee any such changes
11. ensure that where changes are made to the numbering plan, that any costs and inconvenience to users and service providers are objectively justified, and are kept to the minimum, consistent with meeting demands for numbers and sound management of the plan
12. consult with service providers, users and other relevant bodies on all major numbering issues
13. monitor the use of the numbering capacity to ensure that service providers comply with the necessary standards and to address issues regarding the plan as and when they arise
14. from time to time to undertake an audit of the numbering plan to evaluate the overall use of the numbering plan.
15. be responsible for the overall management of the numbering plan.
16. undertake any tasks, or require the service providers to undertake any tasks that it considers necessary, in order to allow it to manage the numbering plan.

## Service Providers’ Responsibilities

1. Service providers who have received allocations of numbers or codes shall act in accordance with the following principles:
2. Service providers must adopt and publish a numbering plan for such numbers or codes as are allocated to them. This must be in accordance with the National Numbering Plan
3. Service providers must use the numbers for the purpose stipulated at the time of the allocation and must comply with the relevant terms and conditions of the allocation
4. Service providers must provide any information to the Commission upon request regarding their use of numbers from the allocations received, and must allow the Commission to carry out inspections to verify the use of numbers is in accordance with the conditions of use
5. Service providers should be efficient in their use of numbers
6. Service provider must only assign numbers to their services and / or end uses that are from within the allocations that have been made by the Commission
7. In advertising and other publicity material, service providers shall not overtly brand numbers, nor associate a number range with a given service provider other than to the extent that it has been allocated by the Commission
8. Neither service providers nor users have any ownership rights over any numbers allocated by the Commission
9. A service provider shall only change a user's number if it has reasonable grounds for doing so and if it has given reasonable advance written notice to the user in question, stating the reason and anticipated date of change. In cases of emergency, oral notice with subsequent written confirmation shall be sufficient
10. Numbering arrangements must respect the future introduction of Number Portability as designated.

# PART 3 – ALLOCATION OF NUMBERS & NUMBERING RANGES

## Overall Principles

1. The Commission shall allocate numbers and number ranges to service providers and others as necessary in accordance with the numbering plan.
2. The Commission shall allocate numbers in a fair and equitable manner.
3. Any allocation will be made to the first service provider who requests a particular block or code (i.e. allocation is on a ‘first come first served’ basis).
4. The Commission shall only allocate numbering capacity to service providers who meet the eligibility criteria as required by these rules.
5. The Commission shall take into account the need to anticipate growth and to innovative in the demand for communications services and, when allocating numbers, will consider the need to conserve numbering capacity in all ranges.
6. When considering new requests for number allocations, the Commission shall take into account the utilisation of any previous numbering allocations made to the service provider.
7. In the absence of any other overriding requirement, and at the discretion of the Commission, numbers will normally be allocated sequentially upwards from the lowest available number block.

## Size of allocation blocks

1. Fixed geographic numbers shall be allocated to applicants in blocks of either 1,000 or 10,000 consecutive numbers from within the appropriate geographic code range. In cases where there is a potential numbering shortage, or in other circumstances determined by the Commission, numbers may be allocated in sub-blocks of less than 1,000 numbers.
2. Mobile numbers shall be allocated in block sizes of 1,000; 10,000; or 100,000 numbers as considered appropriate by the Commission.
3. Short codes shall be allocated as either four digit (1XXX) or five digit (1XXXX) codes. In exceptional circumstances the Commission may allocate three digit (1XX) codes.
4. The Commission may designate certain numbering ranges and certain numbers as “golden numbers” and shall allocate these numbers individually to service providers and users upon request. All service providers must respect these allocations and must provide portability between service providers for these specified numbers.
5. All other numbers shall be allocated in blocks of sizes determined by the Commission.
6. When allocating numbers, the Commission will specify the number length for the particular allocation.

## Application Process: Criteria for eligibility of applicants

1. All service providers providing publicly available communications services are eligible to apply for allocations and reservations of numbering capacity.
2. In addition, the Commission may choose, from time to time, to allocate numbers to others, including end users. Such numbers may include, for example, “golden numbers”.
3. In all other circumstances, any other person who requires the use of numbers must seek an allocation from an eligible service provider.

## Applicant information required for a numbering allocation and / or reservation

1. When applying for an allocation or reservation of numbering capacity, the applicant shall provide the following information to the Commission:
2. Name and contact details of the applicant. Where a third party submits an application on behalf of an applicant, a signed and dated letter of authorisation from the applicant shall accompany it from that applicant
3. Details of the relevant communications licence under which the applicant intends to operate the numbering capacity sought and of the system being operated
4. Details of any existing ranges held that are relevant to that application
5. A preferred numbering code and / or block and, where appropriate, an indication of second and third preferences
6. Details of the services on the numbering range
7. The current utilisation of any similar allocations already made to the service provider and a forecast of expected utilisation over 1, 2 and 5 year periods
8. Any other information that the applicant considers necessary or appropriate to justify the application.
9. In addition, applicants shall provide to the Commission any other information judged by the Commission to be relevant to the application, and the supply of which does not place an undue burden on the applicant.

## Timing of applications

1. Applications for numbering allocations should be made a minimum of three months prior to the planned in-service date.

## Reserving numbers or codes

1. In addition to allocating numbering capacity, the Commission may, at its discretion, agree to reserve numbering capacity for licensed service providers.
2. Reservations are appropriate where:
3. for commercial or other confidentiality reasons, an applicant does not want to be identified in the public domain prior to an allocation being made
4. for commercial or other confidentiality reasons, the application does not wish to divulge the intended use into the public domain prior to an allocation being made
5. a customer order has not been finalised.
6. A reservation may be made:
7. in anticipation of an application being made for numbering capacity in accordance with a three year rolling forecast provided by licensed service providers entitled to apply for an allocation, or
8. against a specific request submitted by a service provider eligible to receive allocations (e.g. for the expansion or growth of existing services or for the introduction of new services).
9. An application for a reservation shall be made to the Commission in accordance with these standards.
10. Applications for reservations shall be treated in confidence, unless the applicant requests otherwise.
11. The Commission shall endeavour to convert a reservation into a corresponding allocation expeditiously. However, it should be noted that a reservation does not automatically entitle an applicant to activate the capacity. Nor, where numbering capacity is reserved, is there any guarantee that a corresponding allocation will subsequently be made.
12. Reservations shall be time-limited to a period of three months. Reservations may be renewable on request to the Commission.
13. Once a reservation has been made, that numbering capacity will be unavailable for allocation, except for the purpose and to the organisation for which the reservation was made. However, a reservation will automatically be cancelled if:
14. the time limit has expired
15. the applicant withdraws the reservation, or
16. the Commission and the applicant agree a substitute reservation or allocation.

## Considering applications

1. Where available number ranges are limited, and more than one licensed service providers has requested the same number block, the Commission may reserve the block for more than one service provider, but will allocate it to the first service provider who provides the Commission with firm evidence of a customer order.
2. When making number allocations or reservations within the National Numbering Plan, the Commission shall take into account:
3. the guiding principles within the numbering plan
4. any relevant licence conditions
5. whether the Commission considers that the proposed use of the numbering range is appropriate
6. the views of the applicant and other interested parties (through consultation, where appropriate), and
7. any other matters that the Commission deems relevant (e.g. any requirement to open a new range or make changes to the numbering plan in order to allocate the required numbers or codes).
8. On the basis of the application, the Commission shall decide the extent to which the application may be met, and the specific numbers or number blocks that may be allocated, having regard to existing allocations in the numbering plan.
9. If several applications for the same numbering resource are received, then the application first registered as received by the Commission shall be dealt with first.

## Allocation Process

1. As soon as the application has been fully considered and the number lists have been updated, the applicant will be notified in writing of the allocation. As far as possible, applications will be answered within 30 days after receipt of the application.
2. Where necessary, the Commission shall notify the ITU Telecommunications Standardisation Body (‘ITU-T’) of the allocation of numbers, number series and addresses for the purpose of insertion and announcement in the ITU's Operational Bulletin.
3. Other service providers and users will not automatically receive notification of allocations from the Commission. It is therefore the responsibility of the service provider who has been allocated numbering resources to contact other providers and users as necessary for the purpose of informing these of the allocation.
4. The allocation will appear in an updated version of the National Numbering Plan as published from time to time on the Commission’s website.

## New number ranges or changes to the National Numbering Plan

1. Before opening any new ranges, or significant parts of ranges, the Commission shall issue a Notice. The Commission shall give at least 30 days’ notice of the opening of any new ranges or significant parts of ranges. The Commission shall also specify a date for the initial receipt of applications for those ranges and, prior to that date, no applications will be accepted.
2. As appropriate, the Commission will notify the ITU Communications Standardisation Body (‘ITU-T’) of changes to the National Numbering Plan and ensure that the correct notification is given in the ITU-T Operational Bulletin.
3. Where the Commission considers it appropriate, it will also notify other overseas administrations as necessary.

## Refusal of applications for numbering allocations

1. The Commission may refuse an application for an allocation or reservation of numbering capacity if:
2. the applicant does meet the eligibility criteria
3. the necessary information is not provided
4. if the application does not conform with the National Numbering Plan
5. to safeguard that sufficient overall resources are available within the range of numbers allocated
6. for any other reason that Commission considers appropriate.
7. Alternatively, the Commission may not grant the application in full, or may attach specific conditions to the allocation that are consistent with the numbering rules and relate to the use and management of the numbering capacity allocated. Such specific conditions will be set out in the letter that accompanies the allocation.
8. In the event of a refusal, whether in part or in full, or where specific conditions are attached, the Commission shall inform the applicant, in writing, of its reasons.
9. The Commission 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 that caused the original application to be refused.

## Changes to allocations

1. Service providers who have been allocated numbering capacity are required to apply to the Commission to make any changes:
2. to the ownership of the block or code
3. to the purpose or use of the numbering allocation, or
4. which relate to conditions of use placed on the allocation.
5. The Commission shall consider any such change requests, and will, at its discretion, grant or reject an application or could, in exceptional circumstance, withdraw any allocation.

## Withdrawal and return of numbers or codes

1. The Commission can withdraw capacity that it has allocated, or part of such capacity, if its continued use or allocation is not in compliance with:
2. the Numbering Rules
3. the National Numbering Plan, or
4. any specific conditions of the allocation.
5. Withdrawal of an in-service numbering range, which has been allocated by the Commission, can be made only after the Commission has consulted with interested parties for a period of not less than 30 days. The withdrawal will then be subject to a period of notice of not less than 90 days following that consultation.
6. If an allocation or part of an allocation is not brought into service within six months, it may be withdrawn, after consultation with such interested parties. Such withdrawal will be subject to a period of notice of not less than 90 days following that consultation.

## Return of allocations

1. If a service provider no longer requires the use of an allocation that has been made, then the allocation should be returned to the Commission at the earliest opportunity.
2. Only complete blocks can be returned. The Commission will not normally accept partial return of any blocks.

## Liability on withdrawal and re-allocation

1. In the event that an allocation has to be withdrawn at the request of the Commission and an alternative re-allocation made (for example in order to invoke a change to the National Numbering Plan), then the Commission will, as far as possible, endeavour to make a re-allocation of a number block of a similar standard. This principle will also apply to withdrawal and re-allocation of golden numbers.
2. Notwithstanding the above, the Commission shall accept no liability (financial or otherwise) in the event of withdrawal and / or re-allocation of any number or number block.

## Requirement to notify others

1. When activating a number allocation, it is the responsibility of the holder of the allocation to negotiate with, and to notify, other relevant service providers and, where appropriate, international authorities.
2. Those who have been allocated numbering capacity are required to advise the Commission, on an on-going basis, of the relevant contact in their organisations to whom all notifications regarding the allocation should be made.
3. The Commission will maintain a list of such contacts and will make it available on request to all organisations listed on it, and others who, in the Commission’s opinion, have need of that information.

## Numbering Fees

1. The fees shown in Schedule 3 shall be payable for all allocated numbers and numbering ranges on an annual basis.
2. Fees are payable upon the date of the first allocation and subsequently upon this anniversary date thereafter or upon any other mutual agreed timetable between the Commission and the service provider.

# PART 4 – MANAGEMENT OF THE NATIONAL NUMBERING PLAN

## The numbering audit process

1. From time to time the Commission may request service providers to submit a Numbering Return containing the following information:
2. the current use of the allocations made
3. the number of numbers that have been allocated to end users
4. details of numbers set aside for planned growth, customer orders or other usage, with explanations
5. blocks of numbers allocated to any person other than end users
6. a three year forecast of demand within significant ranges, as specified by the Commission
7. the justification for continuing reservation by the service provider of numbering capacity, and
8. any other information requested by the Commission.
9. This information shall be supplied in a format specified by the Commission. The Commission will not require information where the collection or analysis of the information would place an undue burden on the persons submitting the information.

## National Numbering Plan records

1. The Commission shall maintain comprehensive records and a database of the status of all number ranges, codes and blocks of numbers within the National Numbering Plan. The National Numbering Plan shall be published on the Commission’s website.
2. Where available and not commercially sensitive, details of the service provider’s plans for reserved numbering will be included in the National Numbering Plan.

## Status indicators

1. The Commission shall structure the National Numbering Plan so that all numbers or codes fall into one of two categories: either “Designated” or “Not-designated”.
2. Designated numbers are those set aside within the National Numbering Plan for usage within the numbering plan: e.g. PSTN geographic numbers, mobile numbers etc.
3. Designation is not an indication as to the availability or otherwise of any particular number, number block or code.
4. Those parts of the National Numbering Plan that are shown as “Not-designated” are not available for allocation or reservation.
5. Codes or numbers that have been designated will have one of the following status indicators:
6. “Allocated” – indicates codes or numbers that have been allocated. While the majority of codes and number blocks shown as “Allocated” may also be in service, these records will not contain information about in-service dates.
7. “Unallocated” – indicates that this code or block is available for allocation or reservation. However, applicants should note that a number block shown as “Unallocated” could have already been requested by another service provider between the time of the last update of the list and the time of applying for the number block.
8. “Reserved for a specific purpose” – indicates numbering ranges which have been reserved for specific purposes and therefore any allocations made from within those ranges will only be for the purposes specified
9. “Protected” – indicates where a number block is protected until further notice or, where a date is shown, until that date. Numbers are protected, e.g., for future planning purposes or to avoid temporary or permanent dialling problems.
10. “Reserved” – indicates a provisional allocation, subject to confirmation by the applicant and/or the Commission. The applicant’s name will not normally appear alongside the reservation to ensure commercial confidentiality.

## Other numbering codes

1. In addition to E.164 numbers and short codes, the Commission will administer and allocate other numbering codes and numbers as follows:
2. National Signalling Point Codes (ITU-T Recommendation Q.704)
3. International Signalling Point Codes (ITU-T Recommendation Q.708)
4. Mobile Network Codes (ITU-T Recommendation E.212)
5. Data Network Identification Codes (ITU-T Recommendations X.121 and X.122)
6. Issuer Identification Numbers (ITU-T Recommendation E.118)
7. Number Portability Routing Codes
8. Any other similar codes as required.
9. Applications for these codes should be submitted in the same way as for other numbers and allocations will be made based on the rules and procedures contained in this document.
10. Service providers may only use these codes and numbers for the purpose stipulated at the time of the allocation and must comply with the appropriate ITU-T Recommendations and the terms and conditions of the allocation.

# PART 5 – TERMS AND CONDITIONS OF THE USE OF NUMBERS WITHIN THE ALLOCATED RANGES

## General Conditions

1. The following general conditions, relating to the use of numbering capacity, apply to all allocations made by the Commission:
2. the allocation shall be used for the purpose specified in the application (including any classification by type or retail call tariff as set out in the National Numbering Plan)
3. the service provider originally allocated numbers shall be responsible for ensuring their use within the Numbering Rules and any specific conditions that have been attached to the allocation by the Commission
4. except for numbers within any ranges that have been designated by the Commission for number portability, numbers and blocks of numbers must not be traded or exchanged between service providers
5. a number allocation is made to a service provider “in perpetuity”. However, neither service providers nor users have any ownership rights over any numbers allocated by the Commission
6. the service provider must adopt numbering plans that are in compliance with these rules
7. numbers must, at all times, be used only for the purposes granted to the service provider to whom the allocation was made
8. the holder of the allocation shall maintain records of the numbers in use
9. allocatees shall not, unless the Commission consents otherwise, charge any user or other person for a number allocated to him (other than a golden number allocated to a user at the request of such a person)
10. number transfers between users is permitted, to the extent that the number can be technically activated for the new subscriber. However, in order to prevent number hoarding, the user must bring their number into service within 180 days; "in service" being defined as "if an access in the public telephone network can be reached by dialling the number" (“use it or lose it”)
11. a service provider shall not use numbers from the National Numbering Plan other than those allocated by the Commission
12. all service providers will simultaneously implement any numbering changes which are required.

## Conditions applicable to the geographic numbering plan

1. In addition to the above general conditions, the following conditions shall also apply to allocations made from within the geographic ranges of the numbering plan:
2. geographic area code boundaries shall be common across all service providers, rather than be associated with a particular service provider
3. where necessary, the Commission will define the geographic area that is relevant for each area code. Initially these areas will correspond to existing geographic zone designations in the current numbering plan
4. the Commission will allocate blocks of numbers to service providers in each geographic area as required, from the numbering space within the relevant zone code. Each block will be of an appropriate size as determined by the Commission
5. all service providers will be required to route calls which are dialled using the full nationally significant number, irrespective of whether they are local or long distance calls.

## Conditions applicable to the mobile numbering plan

1. In addition to the general conditions, the following conditions will also apply to allocations made from within the non-geographic ranges of the numbering plan:
2. codes for non-geographic numbering ranges shall have national significance
3. where geographic codes are deployed, the boundaries shall be common across all service providers
4. all service providers are required to route calls which are dialled using the full national significant number.

## Other specific conditions on allocations

1. Where necessary and appropriate, the Commission may impose additional specific conditions on any particular allocation. Where the Commission chooses to apply such conditions, then the Commission shall provide the service providers with the reasoning behind this decision.

# PART 6 – NUMBER PORTABILITY

1. Mobile number portability will be implemented for all service providers in a timescale to be determined by the Commission.
2. Number portability for services other than mobile may be mandated at a later date.

## Mobile Number Portability implementation

1. For the implementation of mobile number portability, service providers shall be required to:
2. Create a centralised porting database, to be accessed and used by all service providers and funded jointly by all mobile service providers
3. Implement direct routing of ported calls between all mobile service providers using 3GPP TS 23.066
4. Implement direct routing of ported calls from other networks (including the PSTN) where technically achievable, with an interim fall-back of indirect routing via the donor mobile network in the event that direct routing is not technically achievable
5. Bear any additional routing costs for calls to ported numbers
6. Implement a porting process based around the principles of "One-stop shopping" whereby a porting customer has only to deal with the recipient service provider and not the donor service provider. Information about the porting customer is to be exchanged directly between the donor and recipient service providers in order to set up the port
7. Design and implement a mutually agreeable porting process, which will be subject to approval by the Commission. Should the service providers be unable to agree on an appropriate porting process then the Commission will mandate a set of rules through regulatory imposition.
8. Initially establish a maximum period for porting numbers of 24 hours (measured from the initial customer request to the ported number being activated). This porting time is to be reduced to 2 hours within 6 months of the introduction of porting. This staggered timescale is to allow experience and confidence in the porting process to be established.   
   All service providers are to be responsible for their own costs to implement number portability, including initial set-up costs, individual user porting costs, dip costs and ongoing transmission and routing costs.
9. Customers are not to be charged porting fees by either the donor or recipient service provider.
10. Call tariffs must not discriminate as to whether a called subscriber has ported or not.
11. The only reasons that an donor service provider is allowed to reject a porting request are:
    1. where the porting information supplied about the customer is incomplete or incorrect;
    2. where the SIM is reported as lost / stolen; or
    3. where the exporting service provider has reason to believe that the porting request is not a legitimate request from the customer (e.g. in the case of suspected slamming or fraud).

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# Schedule 1

## National Numbering Plan

## Numbering Standards

1. The plans adopted by service providers must conform to the relevant international standards, in particular, but not exhaustively, the following ITU-T Recommendations (or their functional successors):
   1. E.101 - International operation – Definitions
   2. E.118 - The international telecommunication charge card
   3. E.123 - Standard notation for national and international telephone numbers
   4. E.161 - Arrangements of figures, letters and symbols on telephones and other devices that can be used for gaining access to a telephone network
   5. E.164 - The International Public Telecommunications Numbering Plan
   6. E.164.1 - Guidelines to select emergency number for public telecommunications networks
   7. E.212 - The international identification plan for public networks and subscriptions
   8. Q.704 - Signalling network function and messages
   9. Q.708 - Assignment procedures for international signalling point codes
   10. X.121 - International numbering plan for public data networks
   11. X.122 - Numbering plan interworking for the E.164 and X.121 numbering plans.

## Maximum Number of digits

1. All numbers must comply with the numbering length given in ITU-T Recommendation E.164. This states that the maximum number of digits that a national system is expected to handle on an outgoing international call is 15 (excluding the international dialling prefix).
2. The number length of each allocation will be specified by the Commission at the time of allocation.

## Prefix ‘00’

1. The international prefix ‘00’ must be used for international dialling from the country. The digits of the country code and the National Significant Number will follow this prefix.

## Country Code

1. The International Country Code allocated by the ITU to Kiribati is 686.

## Designation of the leading digit

1. The designation of the leading digit is as shown in below:

Table : Designation of Leading Digit

|  |  |
| --- | --- |
| **Leading digit** | **Use** |
| 1 | Short Codes |
| 2 | Fixed PSTN |
| 3 | International use / Unallocated |
| 4 | Unallocated |
| 5 | Unallocated |
| 6 | Unallocated |
| 7 | Mobile 3G |
| 8 | Unallocated. Code 800 reserved for special services |
| 9 | Unallocated. Code range 90X reserved for special services |
| 0 | International access code |

## Fixed PSTN allocations

1. The high-level fixed PSTN code allocations are as shown in below:

Table : High-Level Fixed PSTN Code Allocation

|  |  |
| --- | --- |
| **Location** | **CODE** |
| Tarawa | 202 |
| North Tarawa | 204 |
| Other Gilbert Islands | 206 |
| Line Islands | 210 |
| Phoenix Islands | 220 |

1. The PSTN area codes are as shown in on the following page:

Table : PSTN area codes

|  |  |  |  |
| --- | --- | --- | --- |
| **Nos migrated from** | **New Numbering Range** | **Available nos** | **USE** |
|  | 200 XXXXX | 100000 | Protected |
|  | 201 00 XXX - 201 19 XXX | 10000 | Reserved for future use |
|  | 201 20 XXX | 1000 | Telecom Services Kiribati Ltd (TSKL) |
|  | 201 21 XXX - 201 99 XXX | 1000 | Reserved for future use |
|  | 201 0X XXX - 202 1X XXX | 10000 | Reserved for future use |
|  | 202 20 XXX | 1000 | Reserved for future use |
| 21 XXX | 202 21 XXX | 1000 | Bairiki Zone |
| 22 XXX | 202 22 XXX | 1000 | Bairiki Zone |
| 23 XXX | 202 23 XXX | 1000 | Bairiki Zone |
| 24 XXX | 202 24 XXX | 1000 | Bairiki Zone |
| 25 XXX | 202 25 XXX | 1000 | Betio Zone |
| 26 XXX | 202 26 XXX | 1000 | Betio Zone |
| 27 XXX | 202 27 XXX | 1000 | Bikenibeu Zone |
| 28 XXX | 202 28 XXX | 1000 | Bikenibeu Zone |
| 29 XXX | 202 29 XXX | 1000 | Bikenibeu Zone |
|  | 202 3X XXX - 202 9X XXX | 70000 | Reserved for future use in Tarawa |
|  | 203 XX XXX | 100000 | Reserved for future use |
|  | 204 0X XXX - 204 2X XXX | 10000 | Reserved for future use |
|  | 204 30 XXX | 1000 | Reserved for future use in North Tarawa |
| 31 XXX | 204 31 XXX | 1000 | North Tarawa |
| 32 XXX | 204 32 XXX | 1000 | North Tarawa |
|  | 204 33 XXX | 1000 | Reserved for future use in North Tarawa |
|  | 204 34 XXX | 1000 | Reserved for future use in North Tarawa |
|  | 204 35 XXX | 1000 | Reserved for future use in North Tarawa |
|  | 204 36 XXX | 1000 | Reserved for future use in North Tarawa |
|  | 204 37 XXX | 1000 | Reserved for future use in North Tarawa |
|  | 204 38 XXX | 1000 | Reserved for future use in North Tarawa |
|  | 204 39 XXX | 1000 | Reserved for future use in North Tarawa |
|  | 204 4X XXX - 204 9X XXX | 60000 | Reserved for future use |
|  | 205 XX XXX | 100000 | Reserved for future use |
|  | 206 30 XXX | 1000 | Reserved for future use |
|  | 206 31 XXX | 1000 | Reserved for future use |
|  | 206 32 XXX | 1000 | Reserved for future use |
| 33 XXX | 206 33 XXX | 1000 | Abaiang |
| 34 XXX | 206 34 XXX | 1000 | Marakei |
| 35 XXX | 206 35 XXX | 1000 | Butaritari |
| 36 XXX | 206 36 XXX | 1000 | Makin |
| 37 XXX | 206 37 XXX | 1000 | Banaba |
| 38 XXX | 206 38 XXX | 1000 | Maiana |
| 39 XXX | 206 39 XXX | 1000 | Kuria |
| 40 XXX | 206 40 XXX | 1000 | Aranuka |
| 41 XXX | 206 41 XXX | 1000 | Abemama |
| 42 XXX | 206 42 XXX | 1000 | Nonouti |
| 43 XXX | 206 43 XXX | 1000 | Tabiteuea North |
| 44 XXX | 206 44 XXX | 1000 | Tebiteuea South |
| 45 XXX | 206 45 XXX | 1000 | Onotoa |
| 46 XXX | 206 46 XXX | 1000 | Beru |
| 47 XXX | 206 47 XXX | 1000 | Nikunau |
| 48 XXX | 206 48 XXX | 1000 | Tamana |
| 49 XXX | 206 49 XXX | 1000 | Arorae |
|  | 206 5X XXX - 206 9X XXX | 50000 | Reserved for future use |
|  | 207 XX XXX - 209 XX XXX | 300000 | Reserved for future use |
|  | 210 0X XXX - 210 7X XXX | 80000 | Reserved for future use |
| 80 XXX | 210 80 XXX | 1000 | Kiritimati |
| 81 XXX | 210 81 XXX | 1000 | Kiritimati |
| 82 XXX | 210 82 XXX | 1000 | Kiritimati |
| 83 XXX | 210 83 XXX | 1000 | Fanning |
| 84 XXX | 210 84 XXX | 1000 | Washington |
|  | 210 85 XXX | 1000 | Reserved for future use in Line group |
|  | 210 86 XXX | 1000 | Reserved for future use in Line group |
|  | 210 87 XXX | 1000 | Reserved for future use in Line group |
|  | 210 88 XXX | 1000 | Reserved for future use in Line group |
|  | 210 9X XXX | 10000 | Reserved for future use |
|  | 211 XX XXX - 219 XX XXX | 900000 | Reserved for future use |
|  | 220 0X XXX - 220 7X XXX | 80000 | Reserved for future use |
|  | 220 80 XXX | 1000 | Reserved for future use in Phoenix group |
|  | 220 81 XXX | 1000 | Reserved for future use in Phoenix group |
|  | 220 82 XXX | 1000 | Reserved for future use in Phoenix group |
|  | 220 83 XXX | 1000 | Reserved for future use in Phoenix group |
|  | 220 84 XXX | 1000 | Reserved for future use in Phoenix group |
| 85 XXX | 220 85 XXX | 1000 | Kanton |
|  | 220 86 XXX | 1000 | Reserved for future use in Phoenix group |
|  | 220 87 XXX | 1000 | Reserved for future use in Phoenix group |
|  | 220 88 XXX | 1000 | Reserved for future use in Phoenix group |
|  | 220 89 XXX | 1000 | Reserved for future use in Phoenix group |
|  | 220 9X XXX | 10000 | Reserved for future use |
|  | 230 XX XXX - 299 XX XXX | 7000000 | Reserved for future use |

## Mobile allocations

1. All mobile allocations will be made under leading digit 7.
2. The allocation of codes in the mobile range is as shown in the following .

### MOBILE ALLOCATIONS WITHIN THE 7 NUBERING RANGE

Table : Allocation of Codes in Mobile range

|  |  |  |
| --- | --- | --- |
| **Numbering Range** | **Available numbers** | **Allocation** |
| 70X |  | Unallocated |
| 71X |  | Reserved for location independent mobile numbers |
| 720 XXXXX | 100000 | Tarawa Island |
| 721 XXXXX | 100000 | Reserved for expansion in Tarawa Island |
| 722 XXXXX | 100000 | Unallocated |
| 723 XXXXX | 100000 | Unallocated |
| 724 XXXXX | 100000 | Unallocated |
| 725 XXXXX | 100000 | Unallocated |
| 726 XXXXX | 100000 | Unallocated |
| 727 XXXXX | 100000 | Unallocated |
| 728 XXXXX | 100000 | Unallocated |
| 729 XXXXX | 100000 | Unallocated |
| 730 XXXXX | 100000 | Unallocated |
| 731 XXXXX | 100000 | Unallocated |
| 732 XXXXX | 100000 | Unallocated |
| 733 XXXXX | 100000 | Abaiang |
| 734 XXXXX | 100000 | Marakei |
| 735 XXXXX | 100000 | Butaritari |
| 736 XXXXX | 100000 | Makin |
| 737 XXXXX | 100000 | Banaba |
| 738 XXXXX | 100000 | Maiana |
| 739 XXXXX | 100000 | Kuria |
| 740 XXXXX | 100000 | Aranuka |
| 741 XXXXX | 100000 | Abemama |
| 742 XXXXX | 100000 | Nonouti |
| 743 XXXXX | 100000 | Tabiteuea North |
| 744 XXXXX | 100000 | Tabiteuea South |
| 745 XXXXX | 100000 | Onotoa |
| 746 XXXXX | 100000 | Beru |
| 747 XXXXX | 100000 | Nikunau |
| 748 XXXXX | 100000 | Tamana |
| 749 XXXXX | 100000 | Arorae |
| 75X | 1000000 | Reserved for location independent mobile numbers |
| 76X | 1000000 | Reserved for location independent mobile numbers |
| 77X | 1000000 | Reserved for location independent mobile numbers |
| 780 XXXXX | 100000 | Kiritimati |
| 781 XXXXX | 100000 | Kiritimati |
| 782 XXXXX | 100000 | Kiritimati |
| 783 XXXXX | 100000 | Fanning |
| 784 XXXXX | 100000 | Washington |
| 785 XXXXX | 100000 | Kanton |
| 786 XXXXX | 100000 | Unallocated |
| 787 XXXXX | 100000 | Unallocated |
| 788 XXXXX | 100000 | Unallocated |
| 789 XXXXX | 100000 | Unallocated |
| 79X | 1000000 | Reserved for location independent mobile numbers |

## Short Code allocations

1. For all allocations of short access codes, the Commission will categorise these codes 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 - Common public services

Type A access codes are used by callers to reach commonly used services, such as 19X for emergency services. These codes shall be used by all service providers. Type A codes will be designated individually by the Commission for such services, and will not be uniquely allocated to any particular service provider.

### Type B access codes - Common service codes

Type B access codes are used by callers to reach commonly used services, such as weather information or time reporting. In cases where service providers offer these services, they shall use the codes designated by the Commission.

### Type C access codes - Other service codes

Type C access codes are network specific and can be used for any authorised service. These codes are allocated by the Commission and are unique to a particular service provider. Nevertheless, in order to avoid customer confusion, service providers are encouraged to use similar codes wherever possible.

1. The allocated short codes are shown in below.

### SHORT CODE ALLOCATIONS

Table : Short Code Allocations

|  |  |  |
| --- | --- | --- |
| **CODE** | **Service** | **Code Type** |
| 0 | International direct dial | A |
| 100 | Faults and Services Difficulties | A |
| 103 | Directory assistance | A |
| 192 | Police Bairiki | A |
| 193 | Fire station Bonriki | A |
| 194 | Emergency Hospital, Nawerewere | A |
| 195 | Emergency Hospital, Betio | A |
| 1050 | Shipping information | B |
| 1051 | Time announcement (laguage 1) | B |
| 1052 | Time announcement (laguage 2) | B |
| 1055 | Weather information | B |
| 1059 | Airport information | B |

1. Two new short codes are to be reserved as follows:
   1. Firstly, with increasing globalisation, a new single emergency number is to be reserved for future use in additional to the emergency existing numbers. This code will be run in parallel with the existing numbers.

The introduction of a single emergency number common across all three emergency services will require a staffed service provider position to route calls to the police, fire service or hospital as appropriate, or one of these services (probably most appropriately the police) should act as a call handling agent on behalf of the other two.

Given the existing use of 1XX as the emergency numbers, the code 112 is to be reserved for use as a future single emergency number. [[1]](#footnote-1)

* 1. Secondly, with the implementation of full competition, this could lead to the replacement of some of the current monopoly traffic handling arrangements by specialised regional and global long-distance service providers. It is therefore appropriate to reserve a range of “Carrier Selection codes” for use by these service providers.

The code range 12AB is to be reserved for use as Carrier Selection codes, where the digits AB identify the relevant service provider. This code will also be used as the carrier pre-selection over-ride code.

1. The single emergency number and carrier selection code reservations are shown in the following .

### FUTURE SHORT CODE RESERVATIONS

Table : Future Short Code Reservations

|  |  |  |
| --- | --- | --- |
| **Code** | **Service** | **Code type** |
| 112 | Reserved for future use as common emergency number | A |
| 12AB | Reserved for carrier selection codes (AB relevant service provider | C |

# International Service allocations

1. The current allocations for international services are shown in the following .

## INTERNATIONAL SERVICE ALLOCATIONS

Table : International Service Allocations

|  |  |  |  |
| --- | --- | --- | --- |
| **Numbering range** | **Number Length** | **Number of numbers** | **Operator** |
| 30 00X XXX | 8 digits | 10,000 | Eptcatem Telecom SL |
| 30 01X XXX | 8 digits | 10,000 | Phonegroup, Swiss |

## Numbering ranges classified as “Not designated”

1. All numbering ranges, other than those shown in the tables above, are classified as “Not designated” and are not available for allocation.



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# Schedule 2

## Implementation of the National Numbering Plan

## Current designation of the leading digit

1. The current designation of the leading digit is as shown in the following :

Table : Current Designation of the Leading Digit



# Current numbering plan for fixed PSTN services

1. The current numbering plan for fixed PSTN services is as shown in the following :

## CURRENT FIXED PSTN ALLOCATIONS WITHIN THE 2, 3, 4 AND 8 NUMBERING RANGES

Table : Current Fixed PSTN Allocations within the 2,3,4,and 8 Numbering Ranges



1. The following changes will be made to the plan in the timescales indicated:
2. When 2G mobile services currently operated by TSKL are closed, the currently used leading digits will become free and will be designated as ‘Unallocated’
3. By the end of Q1, 2015: the existing fixed PSTN services serving TSKL will be migrated under the code 201, and will be expanded to 8 digit long numbers.
4. In the same timeframe, the existing fixed PSTN services serving Bairiki, Betio, and Bikenibeu will be migrated under the code 202, and will be expanded to 8 digit long numbers.
5. In the same timeframe, the existing fixed PSTN services serving North Tarawa will be migrated under the code 204, and will be expanded to 8 digit long numbers.
6. By the end of 2015, the existing fixed PSTN services serving the remainder of the Gilbert Island Group will be migrated under the code 206, and will be expanded to 8 digit long numbers.
7. By the end of 2016, the existing fixed PSTN services serving the Line and Phoenix Island Groups will be migrated under codes 210 and 220 respectively, and will be expanded to 8 digit long numbers.
8. In addition, the following codes are to be reserved:
9. 800: reserved for ‘Freephone’ services
10. 90X reserved for ‘Specially tariffed’ services

# Mobile allocations

1. The current allocations of numbers for mobile services are shown in the following .

## CURRENT MOBILE ALLOCATIONS

Table : Current Mobile Allocations



*Note: All allocations in these ranges are currently made to TSKL.*

1. With the preeminent closure of the 2G mobile services, all future mobile allocations will be under the leading digit 7.



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# Schedule 3

## Numbering Fees

Table : Numbering Fees

|  |  |  |
| --- | --- | --- |
| **Number Type** | **Description** | **Annual Number**  **Fee** |
| Fixed PSTN Numbers | E.164 numbers used for fixed PSTN services | $0.50 per active number |
| Mobile Numbers | E.164 Numbers used for mobile services | $0.50 per active number |
| Access Codes | 3, 4 or 5 digit short codes in the 1XX range | $10 per active number |
| Reserved Numbers (any type) | Numbers temporarily reserved for future use | No charge |

Notes:

1. Fees are payable for each number that is active at any point within the relevant calendar year
2. Fees are payable by the Service Provider who has been allocated the numbers. In the case of ported numbers, the fees are payable by the recipient Service Provider
3. The above fees apply irrespective of the number length
4. Fees for Access Codes are payable for each Access Code in use, irrespective of whether it has been allocated the Service Provider or not.

1. 112 is the most commonly used emergency number worldwide and is used as the primary emergency number or in parallel with existing emergency numbers in over 80 countries including all European countries, Australia, Brazil, Canada, Egypt, Hong Kong, India, Indonesia, Israel, Jordan, Kuwait, Malaysia, New Zealand, Russia, Saudi Arabia, South Africa, South Korea, United Arab Emirates, USA (AT&T), Zambia and Zimbabwe. [↑](#footnote-ref-1)