


This is the Telecommunications National Numbering Plan 2019, adopted by the Office of the  
Telecommunication Regulation Authority on 09/25/2019

Signed by:

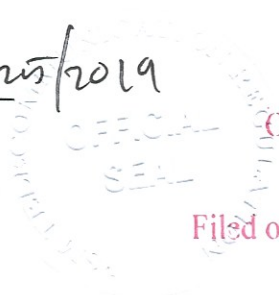
X  09/25/2019

Takuro Akinaga  
Chief Executive & Chair of the Authority

I, Anfernee Mallarme, certify this is a true copy of the original document, which I have sighted, and it  
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X  09/25/2019

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Federated States of Micronesia  
Office of the Registrar of Corporations

Department of Justice

Filed on this 26th day of September 20 19

  
Registrar

# National Numbering Plan of the Federated States of Micronesia

## Section 1. National Numbering Plan

In accordance with Section 357 of the Title 21 of the Code of the Federated States of Micronesia, the Telecommunications Regulation Authority (TRA) adopts this National Numbering Plan for the Federated States of Micronesia.

The National Numbering Plan is identified in the following table:

Level	2nd Digit									
	0	1	2	3	4	5	6	7	8	9
0	O	R	R	R	R	R	R	R	R	R
1	A	R	R	R	R	R	R	R	R	R
2	R	R	R	R	R	R	R	R	R	R
3	R	NoN	Fixed	Fixed	R	Fixed	R	Fixed	R(FA)	R
4	R	NoN	NoN	NoN	NoN	NoN	NoN	NoN	NoN	NoN
5	R	R	R	R	R	R	R	R	R	R
6	R	R	R	R	R	R	R	R	R	R
7	R	R	R	R	R	R	R	R	R	R
8	FTC <sup>1</sup>	R	GSM – FSMTC & M2M/IoT3	R	R	SC3	R	R	R	PR3
9	R	NoN	Mobile	Mobile	R(FA)	Mobile	R(FA)	Mobile	R(FA)	R

O = Operator

A = Access code to dial between Geographic areas or from Geographic areas to mobile

NB: Only the 1<sup>st</sup> digit is required

R= Reserved

R(FA) = Reserved for future allocations, including to new entrants

NoN = National Only Numbers (short codes)

FTC = Free to caller

SC = Shared Cost

PR = Premium Rate

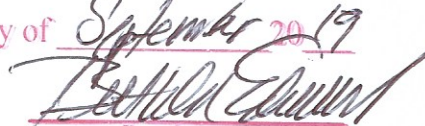
M2M/IoT=Machine to Machine/Internet of Things

## Section 2. National numbers

### 2.1 General Conditions of Use

The following conditions of use shall apply to all numbering resources that are the responsibility of the TRA, that is, (i) telephone numbers, (ii) the international identification plan for public networks and subscriptions identifiers, and (iii) issuer identifier numbers.

<sup>1</sup> Proposed access code if the service was to be implemented

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- Only licensed entities shall be able to receive an allocation of numbering resources from the TRA.

The following conditions shall apply to all telephone numbers:

- Only licensed entities providing voice communication services shall be able to receive an allocation of telephone numbering resources.
- All numbers allocated to an operator for existing ranges shall be brought into service within 6 months of the date of allocation by the TRA and for new ranges within 6 months from the date of being brought into service indicated by the operator in its application.
- All numbers that are notified to the industry as being allocated to an operator shall be available from all networks within 42 days from the TRA issuing the notification.
- All numbers are to be accessible from all networks, based on commercial terms.
- Consumers shall have the right to keep their numbers when taking service from another service provider, if and when number portability is implemented.
- Numbers will be allocated in blocks of 10,000.
- Operators shall maintain accurate records of the resources that have been allocated to them, specifically
  - Numbers activated and in use
  - Numbers activated and not in use
  - Numbers not yet activated
  - Numbers exported from them (if and when number portability is implemented)
  - Numbers imported to them (if and when number portability is implemented)
- Operators shall also maintain accurate records of numbers permanently roamed onto National Networks from overseas for the purposes of M2M/IoT
- When a consumer ceases the use of numbers, either directly or indirectly (as is the case with pay as you go mobile) the number shall not be used for a period of 13 months.

## 2.2 Geographic Numbers

The following conditions of use shall apply to geographic numbers only:

- Geographic numbers shall have a national significant number of area code (3 digits) and subscriber number (4 digits). The area code shall have geographic significance.
- All geographic numbers shall start with the digit 3 and have the code format of 3xy, where x are digits 2 to 9, and y are digits 1 to 9.  
NB: The range 31x is reserved for future use of national only numbers.
- All calls to a geographic number shall terminate in the area designated by the access code, except where the consumer has taken and implemented a call forwarding service.

- It shall be possible for calls that originate and terminate in the same geographic area to use both local and national number formats.
- Where a call to a number has resulted in call forwarding, the calling party shall only pay for the calls to the geographic area, and the called party shall pay for any subsequent charges to deliver the call to the designated call forward number.
- Call forwarding shall only be possible to other geographic or mobile numbers.

### **2.3 Non-Geographic numbers**

Apart from the ranges designated for mobile, the remaining non-geographic ranges are not yet present in the Federated States of Micronesia and are included here to allow evolution of the national numbering plan.

#### **2.3.1 Mobile**

The following will apply to mobile numbers:

- Mobile numbers shall have a national significant number of area code (3 digits) and a subscriber number (4 digits).
- All mobile numbers shall begin with the digit 9 numbers and have the code format 9xy, where x are digits 2 to 9, and y are digits 1 to 9

NB: The range 91y, where codes y are digits 2 to 9 are reserved for future use of national only numbers and the code 911 is for emergency access.

NB: New mobile operators will be assigned numbers from the new ranges on the 9 range that are for mobile services, i.e. 94, 96 and 98.

#### **2.3.2 Freephone**

The following will apply to Free to caller numbers:

- Free to caller numbers will have a national number of area code (3 digits) and a subscriber number (4 digits).
- Free to caller numbers will begin 80x, where x can be digits 0 to 9.
- Charges associated with calls to free to caller numbers shall be paid for by the called party.

#### **2.3.3 Shared Cost**

The following will apply to shared cost numbers:

- Shared cost numbers will have a national number of area code (3 digits) and a subscriber number (4 digits).
- Shared cost numbers will begin 85x, where x are digits 0 to 9.
- Shared cost numbers shall be used to allow the caller to be charged only part of the cost of a call, with the called party being charged the remainder.
- Calls to shared cost numbers shall be at a rate no more than calls to geographic numbers.

### 2.3.4 Premium Rate Service

The following will apply to premium rate numbers:

- Premium Rate numbers will have a national number of area code (3 digits) and a subscriber number (4 digits).
- Premium Rate numbers will begin 89x, where x are digits 0 to 9.
- Premium Rate numbers shall charge at up to no more than \$5 per minute.  
NB1: the exact steps of the rates associated with premium rate numbers should reflect market requirements.  
NB2: The introduction of premium rate numbers should also include a code of practice for operators to follow.
- Calls to premium rate numbers shall have an announcement after the dialed digits announcing the charge rate that the caller will incur if the call continues.

### 2.3.5 M2M/IoT

The following will apply to numbers allocated to machine to machine and Internet of Things (M2M/IoT) numbers:

- M2M/IoT numbers will have a national number of area code (3 digits) and a subscriber number (9 digits).
- M2M/IoT numbers will begin 82x where x are digits 1 to 9.  
NB: The number range has been sub-allocated by FSMTC to another operator.
- M2M/IoT numbers may be used permanently abroad.
- Overseas numbers that are used for M2M/IoT can be used permanently within the jurisdiction of the Federated States of Micronesia. Permanent use occurs when a number is roaming onto a national network for longer than 6 months. Operators shall inform the TRA of permanently roaming numbers on a monthly basis.

### 2.3.6 Short Codes

Various types of short codes will be permitted that can be accessed from all networks.

All short codes that currently exist, apart from 911 and 311 that provide access to emergency services shall become as a minimum 4-digit numbers, behind the leading digit 4.

- Where the short code is currently offered for a service and the service is subsequently opened for competition then consideration should be given to adding digits to the access code for all service providers to facilitate competition and avoid barriers to new entrants.
- Mobile access codes can be assigned for services such as mobile payment, voting, etc. and shall be notified to the TRA.
- Short codes behind 91x shall be reserved to avoid potential misdialing with access to emergency numbers.
- Short codes are national only numbers.

Setting aside the migration of the current use of short codes behind the digit 4,

- Short codes in the range 4000-4499 shall be utilized for public services and be assigned by the TRA.

- Short codes in the 4500-4999 shall be utilized by network operators to provide access to services on their network, and shall be agreed by the TRA prior to deployment to ensure that there is no public service element.
- Mobile access codes shall be 6 digits long and be in the format of xyzzzz where x is the digits 2 to 9, y is the digits 0 and 2 to 9 and z is the digits 0 to 9.
- Mobile access codes can be assigned for services such as mobile payment, voting, etc. and shall be notified to the TRA.

### **Section 3. Use of Numbers**

#### **3.1 Calling Line Identification**

The following conditions of use shall apply to geographic and mobile numbers:

- The calling line identity (CLI) shall be either the geographic number or the mobile number that has been assigned to the calling party.  
NB: The format of the CLI shall include the inter-island digit, subject to FSMTC being able to support the use of the inter-island digit in the same geographic area, i.e. full national dialing
- Where an operator offers a presentation CLI service (that differs from the assigned number) then that number shall be either a geographic or mobile number. Where tariff related services are introduced then only free to caller numbers shall be used as presentation numbers.

### **Section 4. Mobile Related Resources**

#### **4.1 The international identification plan for public networks and subscriptions Identifier**

The TRA will assign E.212 international identification plan for public networks and subscriptions identifiers to licensees who are licensed to offer a mobile voice service. The operators who are licensed should seek an additional international identification plan for public networks and subscriptions for each service that they intend to offer.

The TRA will assign the next available international identification plan for public networks and subscriptions identifier to the applicant.

Operators shall confirm on an annual basis that the assigned resources are still required.

#### **4.2 Issuer Identifier Numbers**

The TRA will assign E.118 issuer identifier numbers to licensees whose services require the use of the resource.

The TRA will assign the next available issuer identifier number to the applicant.

The applicant will apply to the TRA for the issuer identifier number using the application form specified in the Recommendation ITU-T E.118.

## Section 5. Governance Process

### 5.1 Applications for Numbering resources

The rules for the assignment of numbering resources, in addition to identifying criteria that has to be met for consideration of assignment of resources, also identify ongoing requirements of the management of resources by operators in order to ensure the adequate availability of resources.

- Numbering resources shall be allocated in blocks of 10,000.
- Requests shall be reviewed within 42 days.
- Additional information can be sought by the TRA to the provider at any time within the 42 days.
- Responses to the request for information by the TRA resets the timeline for a decision to 42 days.
- Requests for information can be iterative.
- Requests that are for additional resources shall require a utilization figure of:
  - 80% for geographic numbers in the area for which numbers are being requested.
  - 80% for mobile allocations.
  - 85% for mobile network code allocations
- Requests from operators shall be accompanied with supporting plans showing the implementation plan of the resources.
- All applications are to be submitted electronically to {insert functional mailbox}.
- All applications will include:
  - The contact details of the person making the submission on behalf of the operator.
  - The numbering plan resources being requested.
  - A (brief) description of the intended service to be offered using the numbering resources applied for.
  - If the application does not meet the utilization level identified above, additional justification should be provided.
  - Declaration of the applicant's compliance with current and future conditions of use of the numbering resource.

### 5.2 Withdrawal of Numbering Resources

The TRA shall have the right to withdraw allocations where:

- The service provider fails to meet the conditions of use.
- The numbering range is not active.
- The service provider uses the number range in a different manner than for which it was otherwise assigned.
- As part of a national number change.

The TRA will give 3 months' notice of such action to withdraw an assigned number.

### 5.3 Notification of Number Allocation and Activation

When the TRA makes an allocation to a service provider, notifications will also be sent to other operators. The other operators will make the newly allocated numbers available from their networks within 42 days of the notification.

Service providers are responsible for negotiating commercial agreements for the delivery of numbers between ranges.

The TRA shall notify the ITU\_TSB of the assignment of new numbering ranges for publication in the ITU Operational Bulletin.

### 5.4 Reconsideration

Service providers may apply for reconsideration of the decision to withdraw numbering resources in accordance with Section 326 of the Title 21 of the Code of the Federated States of Micronesia.

### 5.5 Audit of Numbering resources

Service providers will provide annual returns to the TRA based on the records that have been identified, specifically:

- Numbers activated and in use.
- Numbers activated and not in use.
- Numbers not yet activated.
- Numbers exported from them (if and when number portability is implemented).
- Numbers imported to them (if and when number portability is implemented).

The TRA may also request this information, or part thereof, to verify compliance with the conditions attached to the use of the number ranges made at the time of allocation.

## Section 6. Annual Fees for Numbers

The fees for numbering resources shall be charged annually, and is payable by the service provider within 30 days of the end of each fiscal year.

The following fees shall apply for each number assigned:

Number type	Fees in USD
Geographic Numbers	\$0.089
Mobile Numbers	\$0.089
M2M/IoT	\$0.089
Freephone	\$0.089

The TRA will review the level of fees in 12-month intervals for the first three years following the adoption of this numbering plan, to determine the level changes. Thereafter the Authority shall determine the period for review of charges.



### **Section 7. Transitory Measures**

Within 90 calendar days of the adoption of this numbering plan, the TRA will provide the Telecommunications Corporation of the Federated States of Micronesia (FSMTC) the necessary certificates for the number allocations obtained prior to the adoption of this plan. The TRA may conduct an audit in conjunction with assigning these certificates to FSMTC or at a later time, as determined by the TRA.

FSMTC shall migrate any remaining users from SIM cards using the E.118 allocation of 89550 within [timeline to be determined by the TRA in consultation with FSMTC].

TRA shall initiate review allocation of telephone numbers and other potential resources to NexHop with the intent on deciding what on action, if any required to regularize the allocation.

TRA shall initiate discussions on the potential migration of appropriate short codes to a new non-geographic range, specifically 628766.