

Numbering Plan

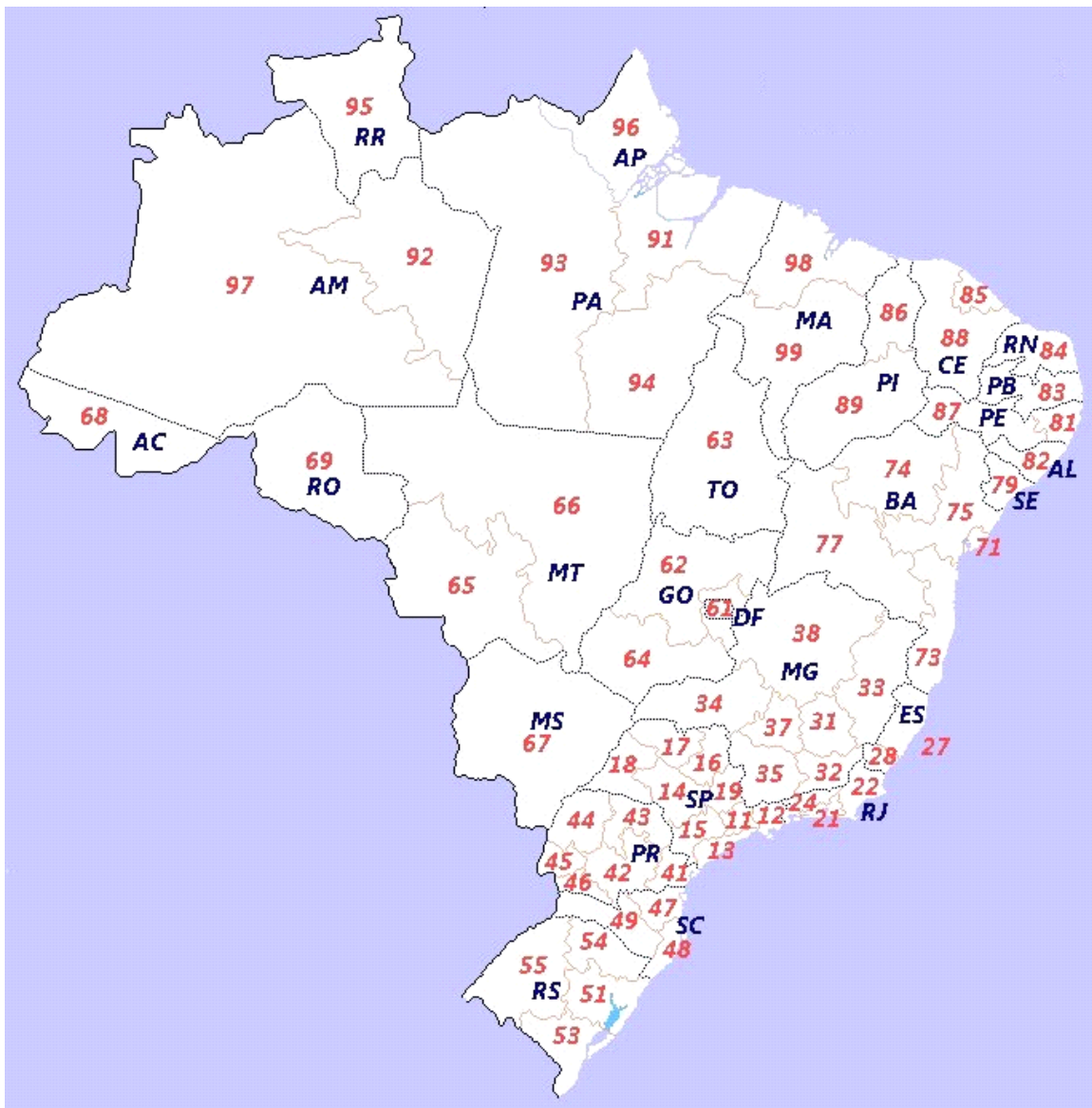
The Numbering Plan is the method of organizing the numbers of public telecommunications services, in relation to its format and structure. Consists of groups of digits which contain elements used to identify services, geographic areas, networks and clients.

Single Registry Prefix (CADUP)

The CADUP aims to consolidate information from the Brazilian Numbering Plan of all operators - both fixed as mobile telephony - with full traceability in information exchanges prefixes and codes of special services.

In Brazil, we currently have 67 national codes (DDD).

Below is graphical representation of the distribution of DDD in the Brazilian scenario:



Format and Structure of the number

Currently, the basic rule for the formation of the numbering plan of the mobile system has the following structure:

DDD + PREFIX + SUFFIX - composed of 10 or 11 digits, depending on the region.

Example of a complete number: 5181174578 ou 11991051035

- DDD: identifies the region, consisting of 2 digits. Example: 11 or 51
- PREFIX: identifies the carrier (+ DDD), formed by four or five digits, depending on the region. **Example:** 8117 or 99105
- SUFFIX: final complement number consisting of 4 digits. **Example:** 1035

Note: PREFIXES with 5 digits, was a necessity before the large increase in requests for telephony numbers, to solve the problem it was adopted the addition of the ninth digit DDD + **X** + PREFIX + SUFFIX. The Chosen digit was the number 9.

Example: 22**9**91051035

However, not all regions of Brazil will adopt this solution immediately, the following table shows the schedule of implementation of the ninth digit to mobile phones across the country. DDD's where it has been implemented is in **blue** below:

Deadline	National Codes (DDD)
July 29, 2012	11
August 25, 2013	12, 13, 14, 15, 16, 17, 18 e 19
October 27, 2013	21, 22, 24, 27 e 28
November 2, 2014	91, 92, 93, 94, 95, 96, 97, 98 e 99
December 31, 2015	31, 32, 33, 34, 35, 37, 38, 71, 73, 74, 75, 77, 79, 81, 82, 83, 84, 85, 86, 87, 88 e 89
December 31, 2016	41, 42, 43, 44, 45, 46, 47, 48, 49, 51, 53, 54, 55, 61, 62, 63, 64, 65, 66, 67, 68 e 69

Identification of the telephone operator by prefixing

The operator of a mobile can be identified by the first two digits of your PREFIX. The general rule is as follows:

Band A	96 a 99
Band B	91 a 94
Band D	8
Band E	8
Band L	8

The carrier uses the Nextel series started with the prefix 7. The carrier Vivo in São Paulo is also using the 7 series (71-74). The 95 series is being used by the carrier Vivo in São Paulo and Rio de Janeiro and the carrier Claro in the Federal District. (Marked with * in the table below).

Carrier by area and Band

State (DDD)	Band A (96 a 99)	Band B (91 a 94)	Band D (8)	Band E (8)
RJ, ES (21 a 28)	Vivo	Claro	Oi 87 a 88	TIM 80 a 83
Amazônia (91 a 99)	Amazônia Celular	Vivo		
MG (31 a 38)	Telemig Celular	TIM		Claro 81 a 84
BA, SE (71 a 79)	Vivo	TIM		Claro 81 a 83
Nordeste (81 a 89)	TIM	Claro		Vivo
PR, SC (41 a 49)	TIM	Vivo	Claro 87 a 88	Brasil Telecom 84 a 85
RS (51 a 55)	Vivo	Claro	TIM 81 a 82	
Centro Oeste (61 a 69)				
SP (11 a 19)	Vivo*	Claro*	TIM 81 a 87	Oi

Special cases of operators

Carrier	Cities
TIM	São Paulo (6340-6369, 7011-7051 and 7950-7967) Pelotas and RGS region. (9911-9939) Londrina and Tamarana, PR, area 43 (81) Northeast (8719-8721 and 88)
Claro	São Paulo (6310-6339, 6589-6599, 7052-7062, 76, 8800-8899, 89, 91, 92, 93 and 94) Rio de Janeiro (74, 75 and 76) Midwest (9551-9559 and 9981-9989) Amazônia (84)
Vivo	São Paulo (6057-6060, 6193-6199, 6370-6499, 7099, 71, 72, 73, 74, 75, 95) Rio de Janeiro (71, 72 and 95) RGS (95) Northeast (8100-82000)
Oi	São Paulo (6100-6193, 6299, 65, 6651-6799, 68, 6999, 7971-7999, and 8814-8899 80) Rio de Janeiro (84, 85, 86 and 89) Minas Gerais (85, 86 and 89) Northeast (84, 85 and 86) BA and SE (86)
BrT	Midwest (86)
Algar	Minas Gerais (96, 9960-9979 and 9991-9999) São Paulo (99, where Vivo is not) Midwest (99, where Vivo is not)
Sercomtel	Londrina and Tamarana, PR (9941-9998)
Unicel	São Paulo (7900-7949)

File Structure - systemic integration

Will be developed by Telfree a file structure to facilitate integration between different systems available to combine between the parties involved, but initially via FTP.

This file, contains information that labels a numbering to a telecommunications carrier, each line represents a bond.

The file consists of seven columns, separated by the " ; " below a short description:

- column 1 - Nome da Prestadora = name that helps identify a carrier.
- column 2 - CNPJ da Prestadora = code that uniquely identifies a carrier.
- column 3 - Código Nacional = DDD is, identifies the region.
- column 4 - Prefixo = identifies the carrier (+ DDD).
- column 5 - Faixa Inicial = initial range that can vary the suffix.
- column 6 - Faixa Final = the final range that can vary the suffix.
- column 7 - Status = identifies whether the record is active.

Example of layout:

Nome da Prestadora;CNPJ da Prestadora;Código Nacional;Prefixo;Faixa Inicial;Faixa Final;Status
ALGAR CELULAR S/A;05835916000185;16;99965;0;7999;1
ALGAR CELULAR S/A;05835916000185;16;99965;8000;9999;1
ALGAR CELULAR S/A;05835916000185;16;99966;0;4999;1
ALGAR CELULAR S/A;05835916000185;16;99966;5000;6999;1
ALGAR CELULAR S/A;05835916000185;16;99966;7000;9999;1
ALGAR CELULAR S/A;05835916000185;16;99967;0;9999;1
ALGAR CELULAR S/A;05835916000185;16;99968;0;999;1
ALGAR CELULAR S/A;05835916000185;16;99968;1000;2999;1