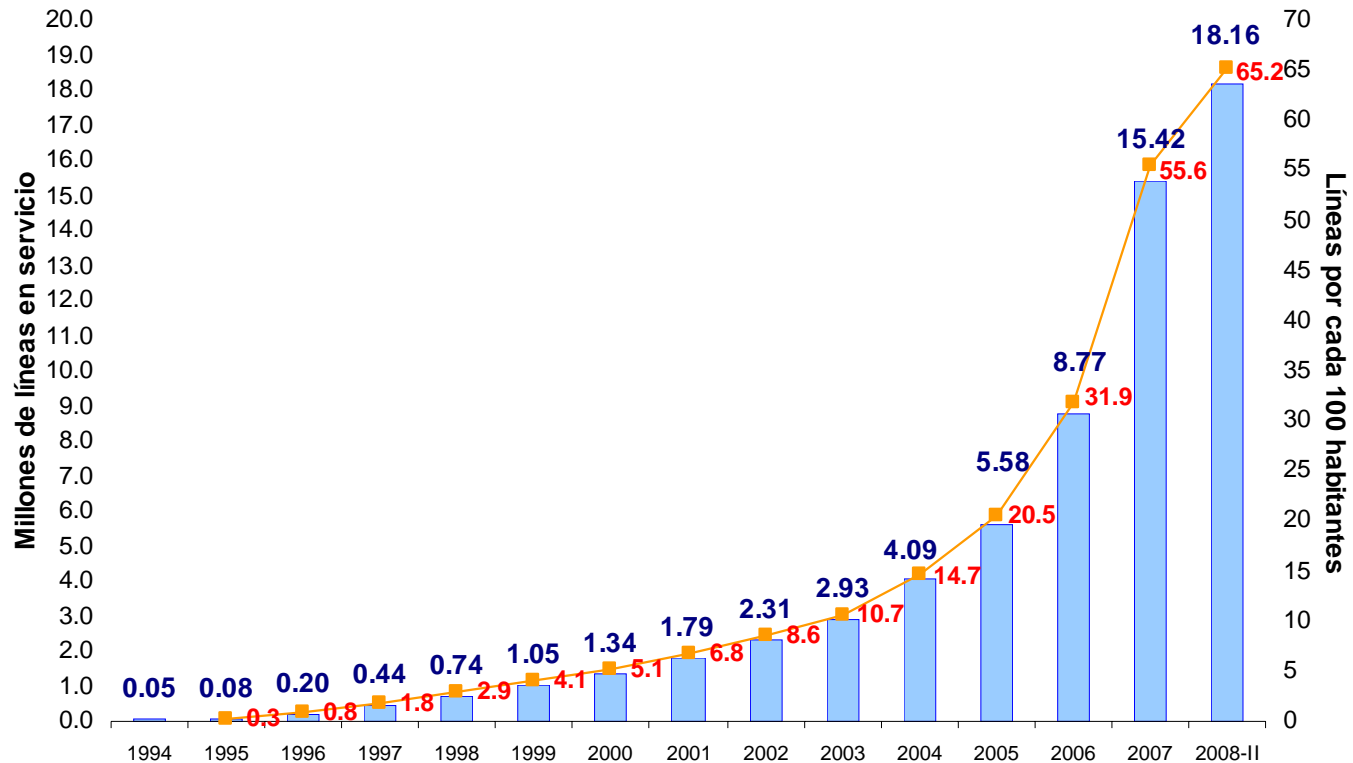# Mobile Number Portability in Peru

OSIPTEL

August 2008

TELEFONÍA MÓVIL CRECE

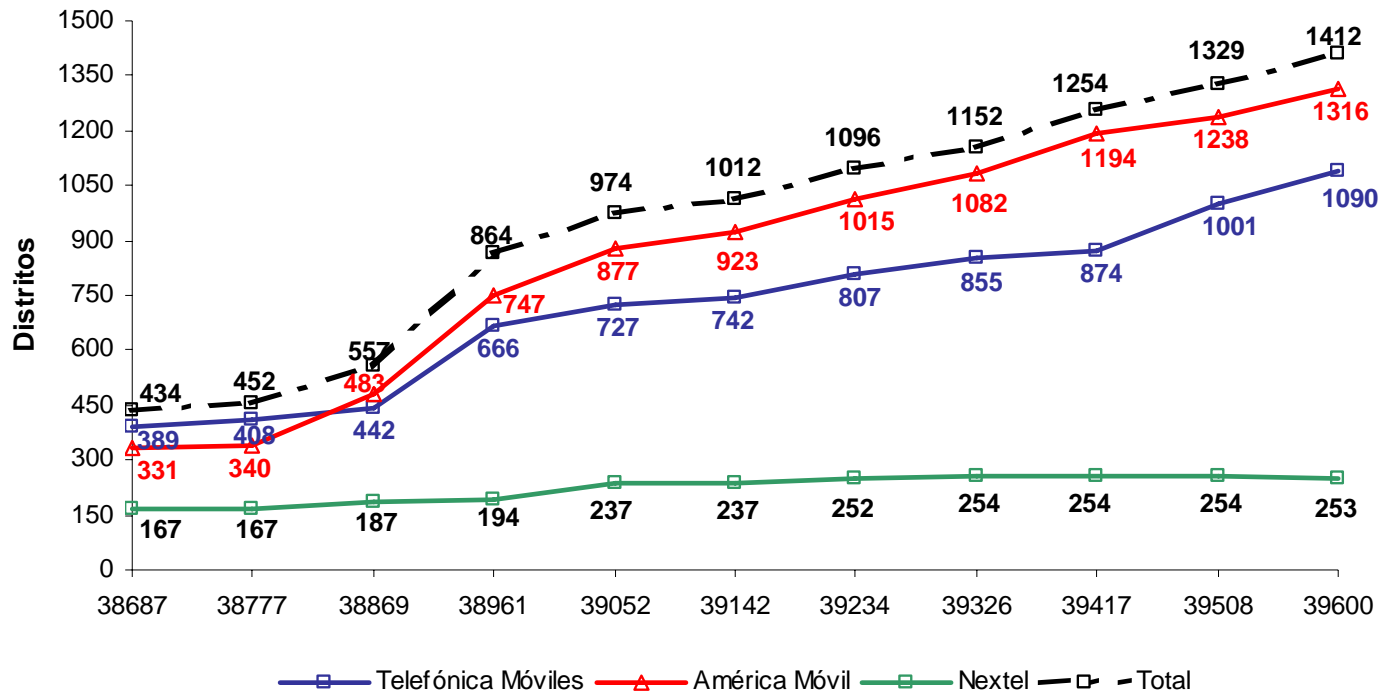**Líneas en servicio y penetración de telefonía móvil**

✓ El Perú tiene 18,16 millones de teléfonos móviles.

✓ Por cada 100 peruanos 65 tienen por lo menos un teléfono móvil.
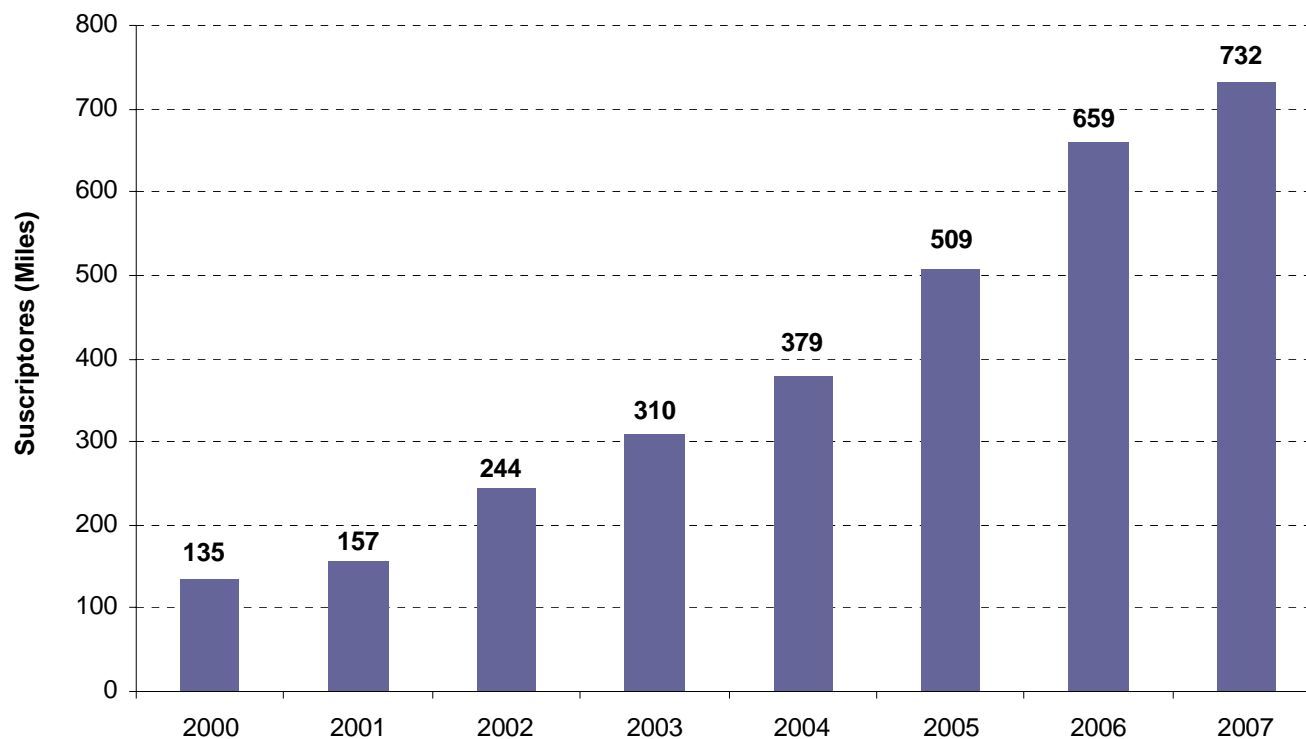
MÁS DISTRITOS TIENEN COBERTURA

Evolución de la Cobertura en el Servicio de Telefonía Móvil

Distritos

	Telefónica Móviles	América Móvil	Nextel	Total

✓Según el INEI existen 1,833 distritos

✓1,412 distritos tienen telefonía móvil. Eso significa que actualmente el 77% tiene cobertura del servicio móvil.

3

INTERNET

Evolución de Suscriptores de Internet

✓Existen 732 mil suscriptores de Internet.

✓El 80% accede a través de las casi 53 mil cabinas públicas que existen en el país.

LEGAL FRAMEWORK

❖ Through Supreme Decree Nº003-2007-MTC of February 2nd, 2007, the guidelines for promoting free competition were approved, whereby it was established that from the year 2010 onwards the number portability will be implemented in mobile public services.

❖ The Congress, through Law Nº 28999 of April 4th, 2007, approved the "Number Portability for the Mobile Services", by which it was established that every mobile user holds the right of keeping his/her mobile number even though he/she chooses to switch public mobile service operator.

❖ Through Supreme Decree Nº040-2007-MTC of November 11th, 2007, the Ministry of Transports and Communications (MTC) approved the "Conditions for the Implementation of Number Portability in Mobile Public Services"; as well as its implementation schedule.

❖ Through Ministerial Resolution Nº378-2008-MTC/03 of May 14th, 2008, the MTC approved the technical specifications for number portability in mobile services named "All Call Query", that is, querying every call against a main data base.

Conditions for the Implementation
(Supreme Decree Nº 040-2007-MTC)

❖ It is established that both the fulfillment and the observance of the number portability implementation is mandatory in the whole national territory.

❖ Applies to mobile telephone service operators (Telefónica Móviles), personal communications services (America Móvil) and trunking services (Nextel).

❖ Such implementations must not entail a charge for the user.

❖ Operators of telecommunications services shall coordinate with mobile services operators for conducting external tests, as well as making the necessary changes inside their networks in order to enable to route communications correctly.

First Stage- "Selection of the Technical Solution"

❖ The implementation of Number Portability in the country will be carried out in three stages.

❖ The first stage initiated in November 19th, 2007 and finished in June 30th, 2008.

❖ The mobile service operators jointly chose the technical solution.

❖ The operators submitted a report in which they described the chosen technical solution and the reasons supporting that election.

❖ In February 2nd, 2008, the mobile operators informed the Ministry of Communications that they had agreed on choosing "All Call query" (checking every call against a main data base) as the technical solution for Number Portability.

First Stage- "Election of the Technical Solution"

❖ With Ministerial Resolution Nº 378-2008-MTC/03 issued in May 14th, 2008, the Ministry established:

I. To approve, as technical solution for number portability in mobile services, the "All Call Query" solution, consisting in checking all calls in a local database, managed by each operator, and in a centralized main database.

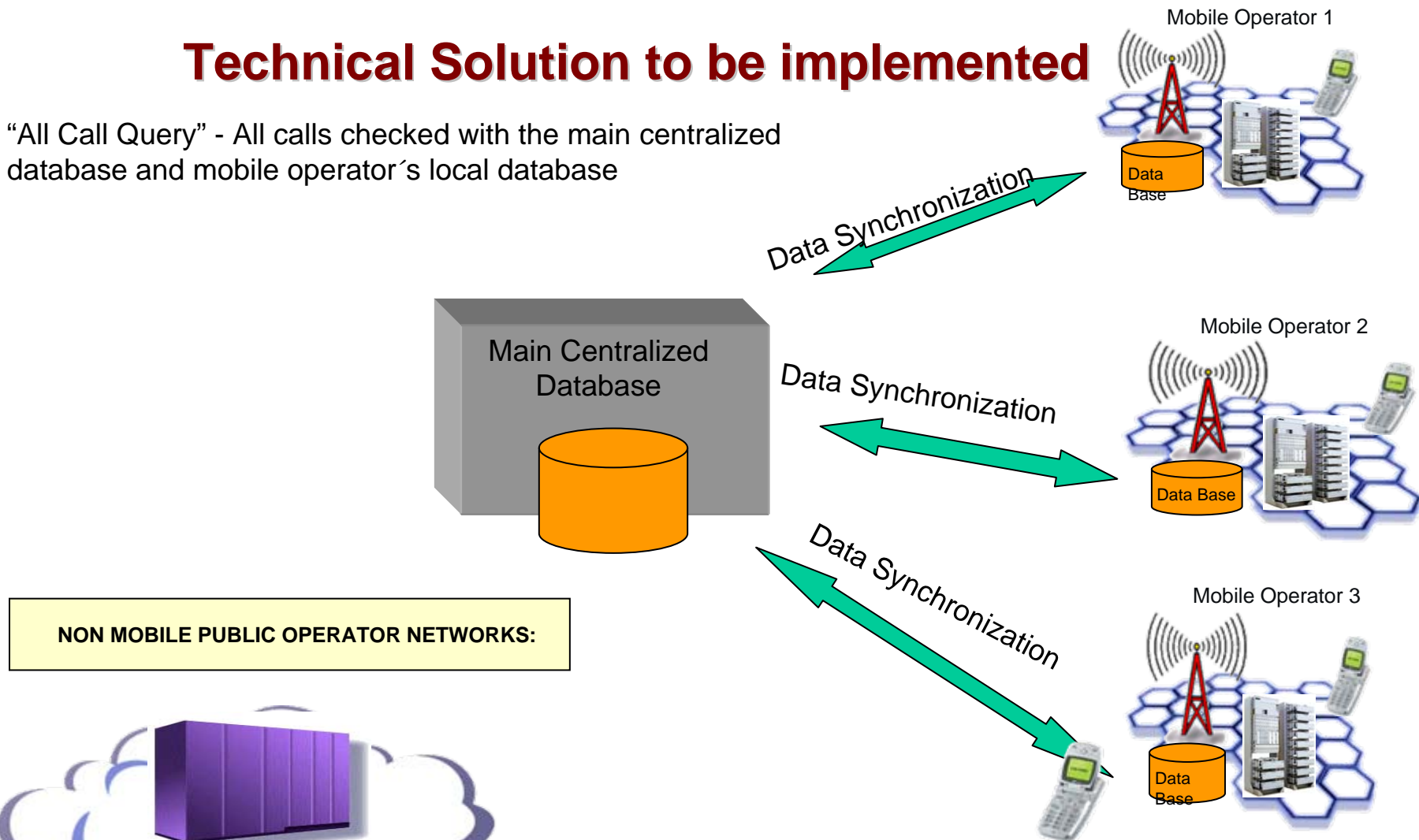II. The main centralized database is an independent entity under OSIPTEL´s supervision and approval.

First Stage- "Election of the Technical Solution"

III. All mobile operators have the option of choosing, according to their own requirements and possibilities:

- ✓ To use numbering information received through interconnection and program it directly into their networks.
- ✓ To interact with mobile services operators local data bases through a web page assuring information confidentiality.
- ✓ To install dedicated lines to have access to the centralized main database.

IV. Procedures, guidelines and other aspects related to the implementation and operation of the main centralized database will be approved by OSIPTEL.

Technical Solution to be implemented

"All Call Query" - All calls checked with the main centralized database and mobile operator´s local database

Mobile Operator 1

Data Base

Data Synchronization

Main Centralized Database

Data Synchronization

Mobile Operator 2

Data Base

Data Synchronization

Mobile Operator 3

Data Base

NON MOBILE PUBLIC OPERATOR NETWORKS:

OPTIONS

- To use numbering information received through interconnection and program it directly into their networks.
- To interact with mobile services operators local data bases through a web page assuring information confidentiality.
- To Install dedicated lines to have access to the centralized main database.
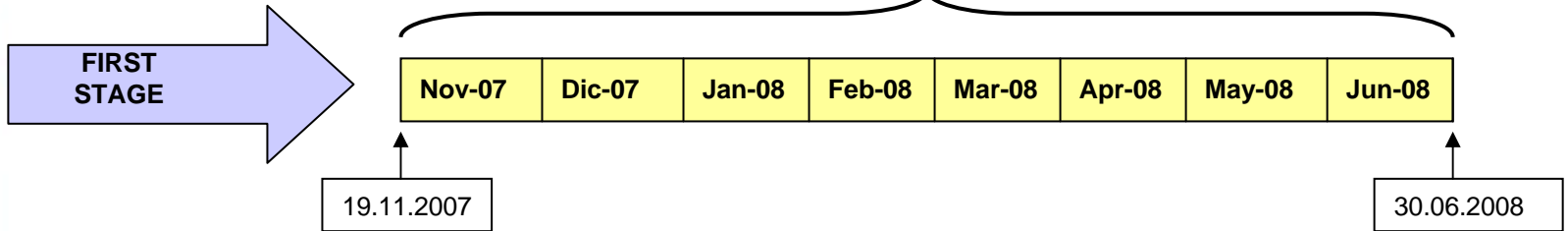
Second Stage
"Determination of Specifications"

❖ It will initiate in July 1st, 2008 and will finish in December 12th , 2008.

❖ Each mobile operator shall submit a detailed report containing the description of the technical and operative specifications for the technical solution, as well as the implementation plan (including internal and external tests, and their schedule) within a 3 month period with possibility of a 1 month deferment.

❖ The implementation plan to be submitted will include a implementation schedule that will be no longer than 9 months.

❖ The MTC will evaluate the information, and if there were observations, they shall be solved within a 15 days period. Also, the MTC will inform the other operators of all relevant information.

❖ Either no observations arise or they are solved, the MTC will approve the plans of implementations before the second stage due date.
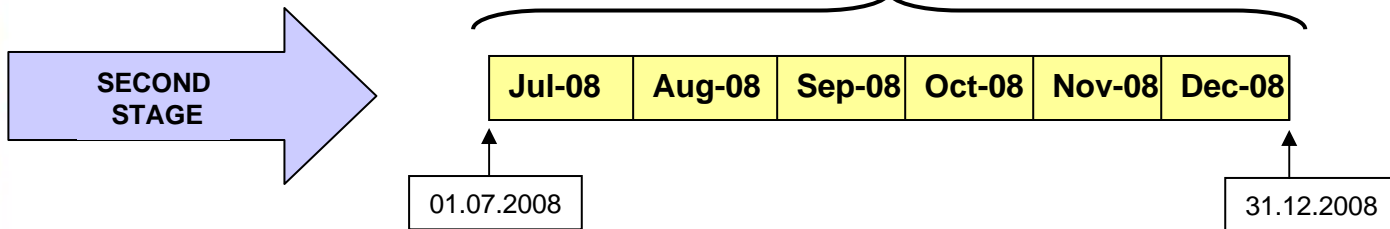
Third Stage- "Implementation and Testing"

❖ This stage will start in January 1st, 2009, and will finish in September 30th, 2009.

❖ Mobile operators must adapt their networks for the correct routing of telephone communications.

❖ Local fixed telephone operators, public payphones, long distance operators and mobile or satellite operators shall coordinate with mobile services operators for conducting external tests.

❖ Also, these operators must do all neccesary changes within their networks.

Implementation Schedule
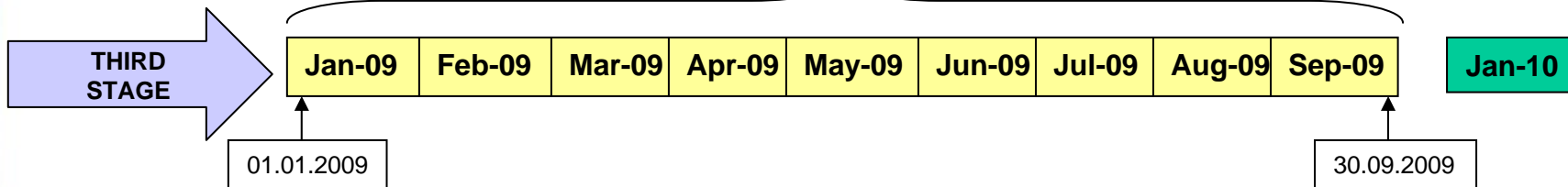## (Supreme Decree Nº 040-2007-MTC)

TECHNICAL SOLUTIONS ELECTION

FIRST STAGE →

Nov-07	Dic-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08

19.11.2007

30.06.2008

DETERMINATION OF SPECIFIC CONDITIONS

SECOND STAGE →

Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08

01.07.2008

31.12.2008

IMPLEMENTATION AND TESTING

THIRD STAGE →

Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09

Jan-10

01.01.2009

30.09.2009

Conditions for Implementing the Number Portability (Supreme Decree Nº 040-2007-MTC)

❖ Acording with the D.S. Nº 040-2007-MTC:

- ▪ The Ministry shall issue the necessaries rules for the implementation and application of mobile number portability, and in adapt the Fundamental Technical Numbering and Signaling Plan if it is necessary.

- ▪ OSIPTEL shall establish:
  - The procedures and conditions for the use of number portability.
  - The economical conditions.
  - The aspects related to interconnections and other topics.
  - Procedures, guidelines and other aspects related to the implementation and operation of the main centralized database.