

ANNEX II

ADMINISTRATIVE PROCESS FOR
OPERATOR PORTABILITY

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1 Introduction

This document aims to define the administrative procedures for operator portability, including workflows, in terms of information exchange, message and message formats, and error handling.

This document specifically includes the following:

- Operating and flow procedures for messages
- Timers
- Messages
- Message formats
- Message parameters
- Parameter formats
- Error conditions
- Error handling
- Error and message codes

Given that the development of these processes is in a pilot phase, and have therefore not been tested, the present annex may be subject to alterations and/or corrections, whenever deemed necessary by ICP.

2 Scope

All public telecommunications service providers with portability obligations must comply with the administrative procedures described in this document.

The technical aspects of number portability in Portugal are specified in the document "Technical interface between networks".

This document does not specify the interfaces intended for Providers' customers.

3 Message flows

3.1 Introduction

Message flows are described for the following processes:

1. Porting request between Providers
2. Number return (Cancellation of porting cycle)
3. Alteration of NRN
4. Cancellations
5. Synchronisation of NRN
 - i. Notification of portability information
 - ii. Collection of NRN information

6. Information requests

The following sequential diagrams are written in UM notation.

Objects in the sequential diagrams:

Recipient:	The provider that requests the ported number
Relinquishing entity:	The Provider that currently holds the number or range of numbers, from which the ported number(s) is requested.
Donor:	The Provider to whom the number or number range was originally assigned by ICP, and from which the number is ported for the first first.
All:	Represents all other Providers (messages are sent to all other providers at the same time)

Three obligatory parameters are presented with the messages:

IDmsg (IDmensagem):	ID of the single global message managed by the RE.
IDmsgAnt (IDmensagemAntecessora):	ID of the message prior to the flow.
IDproc (IDprocesso):	ID of the message that initiated the flow.

The timers (Tx) and conditions, in accordance with section 4 are presented on the left-hand side of the diagrams, as well as the porting time (P), response time (R) and alteration time (The). Updating events (Ux) are presented on the right-hand side.

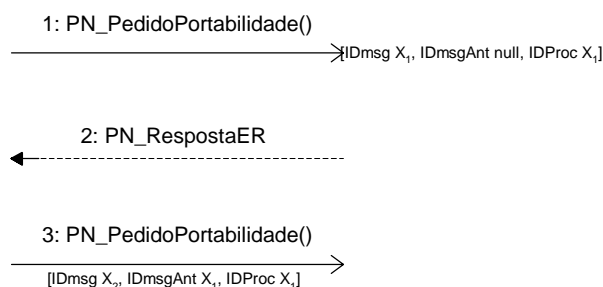


Figure 1 – Definition of messages

Figure 1 shows the different messages used in the sequential diagrams. The Providers send messages to the RE, which then copies the message to one or more addresses. Each message has a unique identification (IDmensagem). For the message sent from the Provider (1), the RE assigns an IDmensagem (as well as the IDprocesso and the NumeroOrdemER) when it receives the message. In such cases, the identifiers are presented in front of the message

(arrow). The assigned values are returned to the sender via PN_RespostaER (2). PN_RespostaER is not the standard message, but instead the return message, that is not assigned an IDmensagem. When the message is sent by the RE, the identifiers are presented below the arrow (3).

3.2 Porting Request (PN_RequestPortabilidade)

This process makes it possible to carry out requests to transfer numbers, including the 1st time the number is ported, subsequent porting processes and the return porting to the donor. There is a procedure for simple requests and for coherent requests (rejection of the single request included within the coherent request implies the rejection of the entire coherent request).

3.2.1 PN_RequestPortabilidade – successful simple request

1. The RP issues the porting request. The T0 Timer defines the start of the message flow. The RE manages the IDmensagem and IDprocesso. For the initial message, the IDprocesso is identical to the IDmensagem.
2. The RE notifies the RP that the message was received and will be re-routed, and returns the process identifiers and the assigned messages.
3. The RE routes the message to the DP.
4. The DP validates and accepts the porting request, and agrees on the use of one of the porting windows suggested by the RP sending the message, PN_ConfRequestPortabilidade, to the RE (DP should inform, immediately after the point of no return, the entity with the power to lawfully intercept calls, if this is active, of the number to be ported, the date and the recipient provider). The deadline for sending this message is T5, counted from T0. If the message, PN_ConfRequestPortabilidade is not sent by the DP within T3, an error message 234 will be sent by the RE to the DP.
5. The RE notifies the DP that the message was received and will be re-routed, and returns the assigned message identifiers.
6. and 7. The RE sends the response to the RP and distributes the same response to all other Providers. The Providers that use *offline* supply system will now have the information required to update the routing databases.
8. The RP internally establishes the access lines to the customer. The conclusion of the porting process and updating of the internal routing database are confirmed by sending the message, PN_Conclusao to the RE within the agreed porting window.
9. The RE notifies the RP that the message was received, and returns the assigned message and process identifiers.
10. and 11. When the RE receives the message, PN_Conclusao sent by the RP or, by T14 at the latest before the end of the porting window, the message, PN_Actualizacao, is distributed to all Providers from the RE. Providers with online supply systems use this message to update their routing databases. Providers with supply systems that use the message, PN_ConfRequestPortabilidade, to update their routing databases may ignore the message, PN_Actualizacao.
12. The DP confirms by sending the message, PN_ActualizacaoConcluida within the agreed porting window if using *offline* supply systems, or in response to the message, PN_Actualizacao, and within T15 following reception of the message PN_Actualizacao if using *online* supply systems, that its routing database was updated.
13. The RE notifies the DP that the message will be re-routed, and returns the assigned identifiers.
14. All the other Providers confirm by sending the message, PN_ActualizacaoConcluida within the agreed porting window, if they use offline supply systems, or in response to the

message, PN_Actualizacao, and within T15 following reception of the message PN_Actualizacao, if they use online supply systems, that their routing database was updated.

15. The RE notifies the Providers that the message was received and will be re-routed, and returns the assigned identifiers.
16. At the end of the porting window, T8, the RE sends one message, PN_ActualizacaoConcluida to the RP with the list of the operators that have returned the message, PN_ActualizacaoConcluida by that time. The messages, PN_ActualizacaoConcluida that are received after the end of porting window will be accepted by the RE, but will not be re-routed. The messages, PN_ActualizacaoConcluida, that arrive late shall be updated in the table charting the status of portability, available for consultation by all Providers via PN_RequestInformacao.

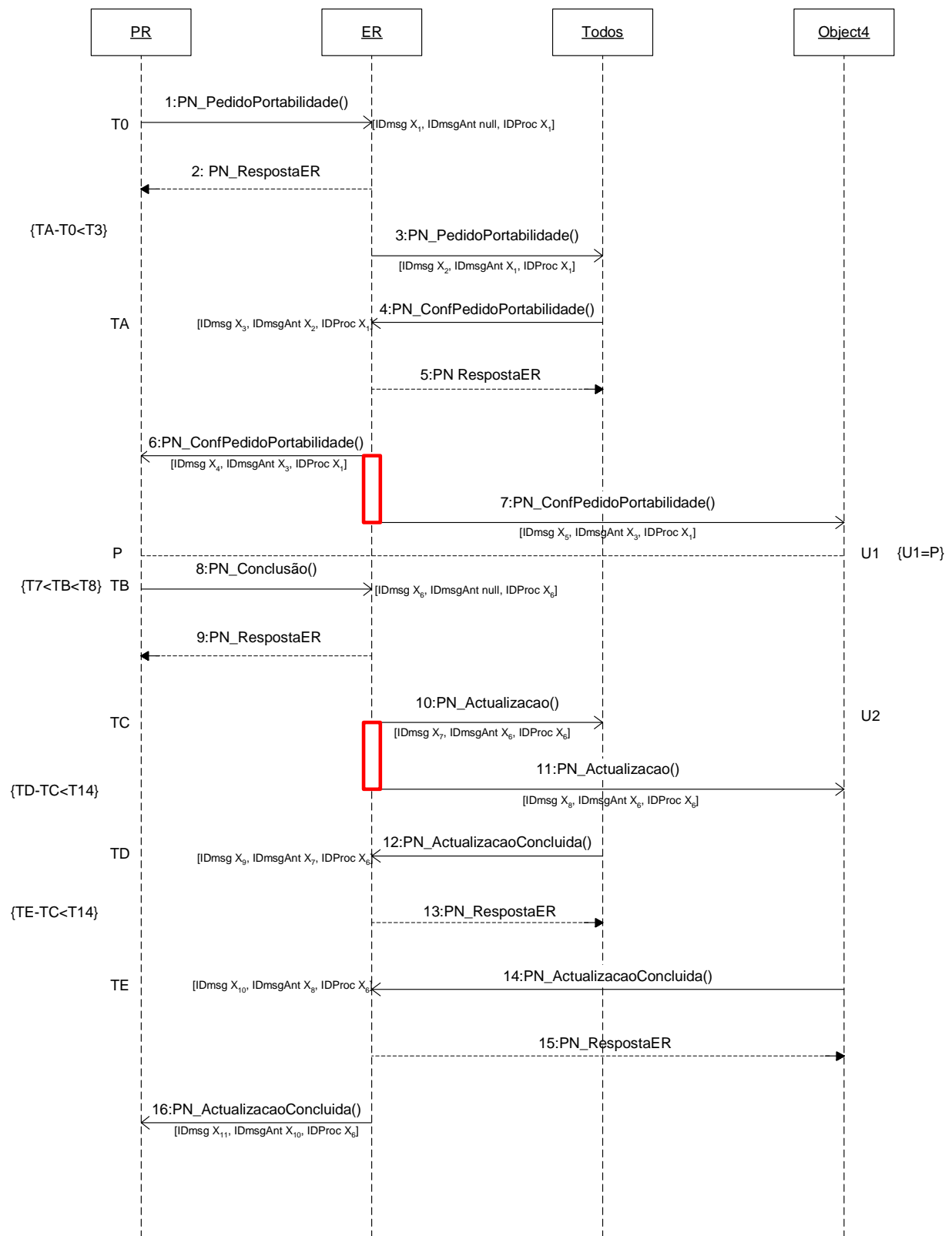


Figure 2 – PN_RequestPortabilidade, successful simple request

PR = RP, ER = RE, Todos = All

3.2.2 PN_RequestPortabilidade – rejected simple request

If the DP finds an error in the message PN_RequestPortabilidade, or if there are other grounds to reject the request, the request is rejected with notification of the reason, and the RP must send a new corrected request in order for the number to be ported.

1. The RP issues the porting request. The T0 Timer defines the start of the message flow. The IDmensagem and IDprocesso are generated by the RE. For the initial message, the IDprocesso is identical to the IDmensagem.
2. The RE notifies the RP that the message was received and will be re-routed, and returns the assigned process and message identifiers.
3. The RE routes the message to the DP.
4. The DP validates the request and verifies that the request does not satisfy the requirements of a valid request. The porting request is thus rejected using a message PN_Rejeicao, indicating the grounds of rejection. The time limit for sending this message is T3, counted from T0.
5. The RE notifies the DP that the rejected message was received and will be re-routed, and returns the assigned message identifiers.
6. The RE routes the message PN_Rejeicao to the RP, and the process is terminated. A new PN_RequestPortabilidade with corrected information will initiate a new process in accordance with section 3.2.1.

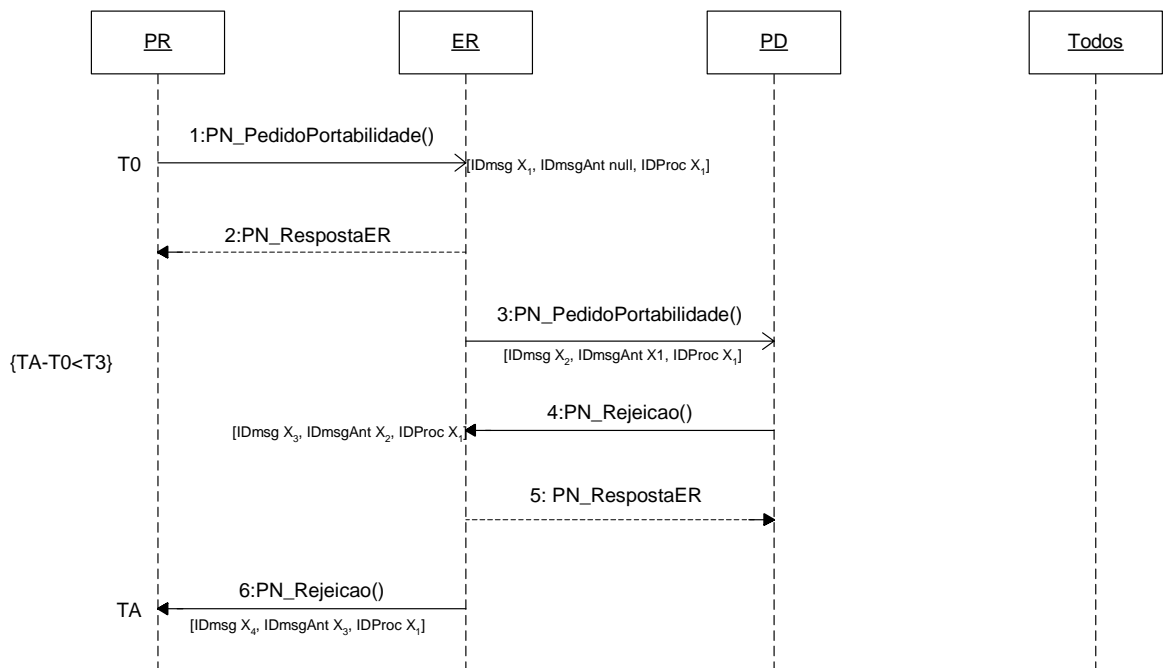


Figure 3 – PN_RequestPortabilidade, rejected simple request

PR = RP, ER = RE, PD = DP, Todos = All

PN_RequestPortabilidade – successful coherent request

1. The RP issues the first message of a coherent porting request. The T0 Timer defines the start of the message flow. The RE generates the IDmensagem and the IDprocesso. For the initial message, the IDprocesso is identical to the IDmensagem.
2. The RE notifies the RP that the message was received and will be re-routed, and returns the assigned message and process identifiers.
3. and 4. The RP issues the following messages one by one, and certifies that all messages relating to the coherent request are issued before expiry of timer T2. The RE manages the IDmensagem and the IDprocesso.
5. The RE notifies the RP for each message that the message was received and will be re-routed, and returns the assigned message and process identifiers. If all the messages relating to the coherent request were not received within T2, error message 236 will be sent to the RP, and the process will be terminated.
6. and 7. The RE collects all messages relating to the coherent request and routes them to the DP.
8. and 10. The DP validates and accepts the porting request, and agrees on the use of one of the porting windows suggested by the RP sending a message PN_ConfRequestPortabilidade to the RE for each of the messages in the coherent request. The time limit for returning all messages PN_ConfRequestPortabilidade is T2, counted from T0. If the messages PN_ConfRequestPortabilidade relating to coherent requests were not received within T3, error message 234 will be sent to the DP.
9. and 11. The RE notifies the DP that the messages were received and will be re-routed, and returns the assigned message identifiers.
12. and 13. The RE routes the responses to the RP and distributes the same responses to all other providers. The providers that use *offline* supply system now have the information required to update their routing databases.
14. and 22. The RP internally establishes access lines. When the porting process is concluded the internal databases updated, this fact is confirmed by sending PN_Conclusao to the RE for each of the individual requests of the coherent request, within the agreed time window.
15. and 23. The RE notifies the RP concerning all the PN_Conclusao, that the message was received, and returns the assigned process and message identifiers.
16. 17. 24. and 25. When the RE receives the message PN_Conclusao from the RP, or in the last T14 minutes before the end of the porting window, a message PN_Atualizacao is distributed to all providers by the RE. Providers with online supply systems use this message to update their routing databases.
18. and 26. The DP confirms by sending a message PN_AtualizacaoConcluida within the agreed porting window if they use offline supply systems, or in response to the message PN_Atualizacao, and within T15 counted from the time of reception of the message PN_Atualizacao if they use online supply systems, that their routing database was updated.
19. and 27. The RE notifies the DP that the message will be re-routed, and returns the assigned identifiers.
20. and 29. All providers confirm by sending the message PN_AtualizacaoConcluida within the agreed porting window if they use offline supply systems, or in response to the message PN_Atualizacao, and within T15 counted from the time of reception of the message PN_Atualizacao if they use online supply systems, that their routing database was updated.
21. and 30. The RE notifies the providers that the message will be re-routed, and returns the assigned identifiers.
32. at the end of the porting window, T8, the RE sends the message PN_AtualizacaoConcluida to the RP indicating which operators have returned a PN_AtualizacaoConcluida by that time. The messages PN_AtualizacaoConcluida that are received after the end of the porting window will be accepted by the RE, but will not be re-routed. The messages PN_AtualizacaoConcluida that arrive late will be updated in the table charting the status of portability, available for consultation by all Providers via PN_RequestInformacao.

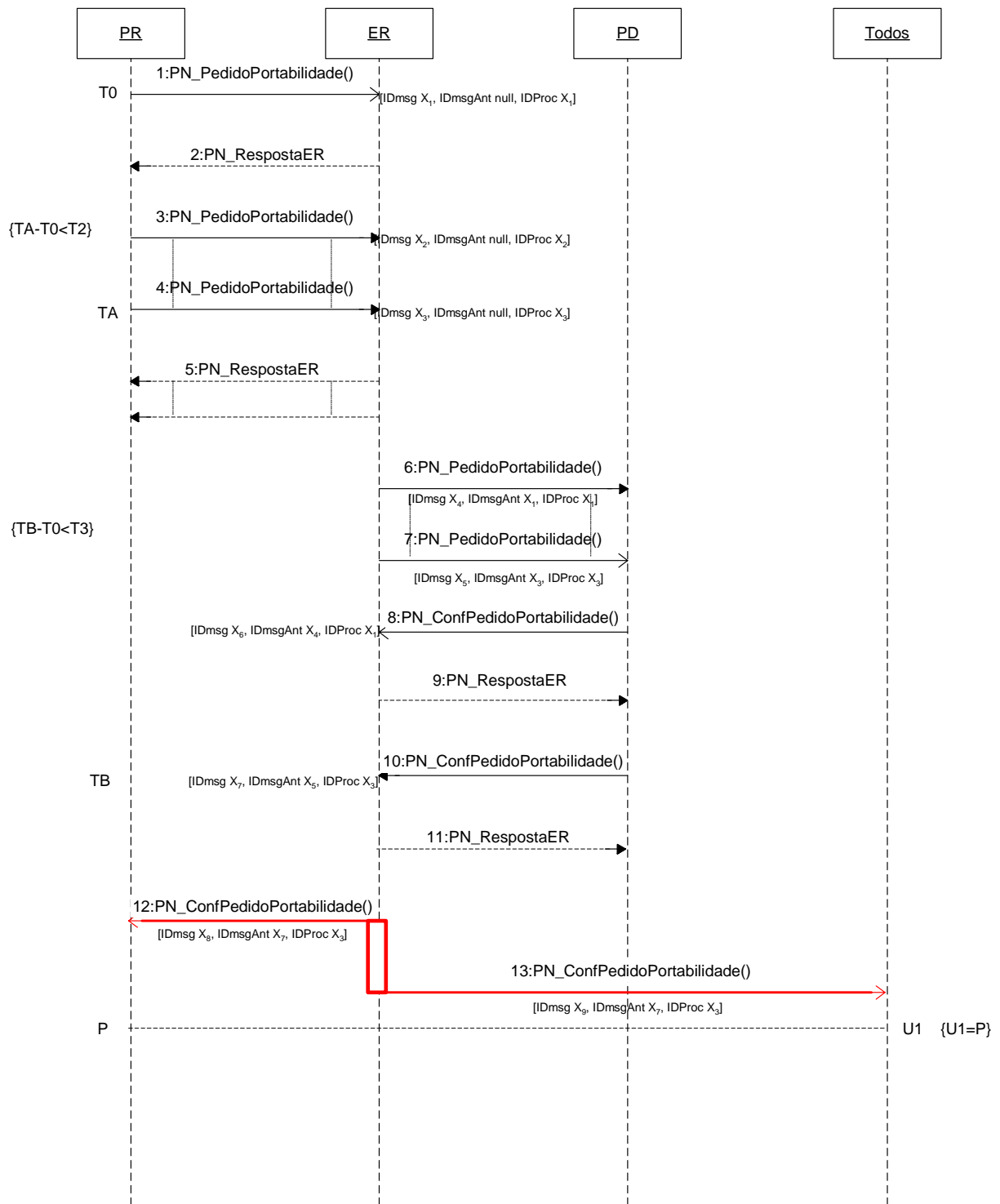


Figure 4 - PN_RequestPortabilidade, successful coherent request, part 1

PR = RP, ER = RE, PD = DP Todos = All

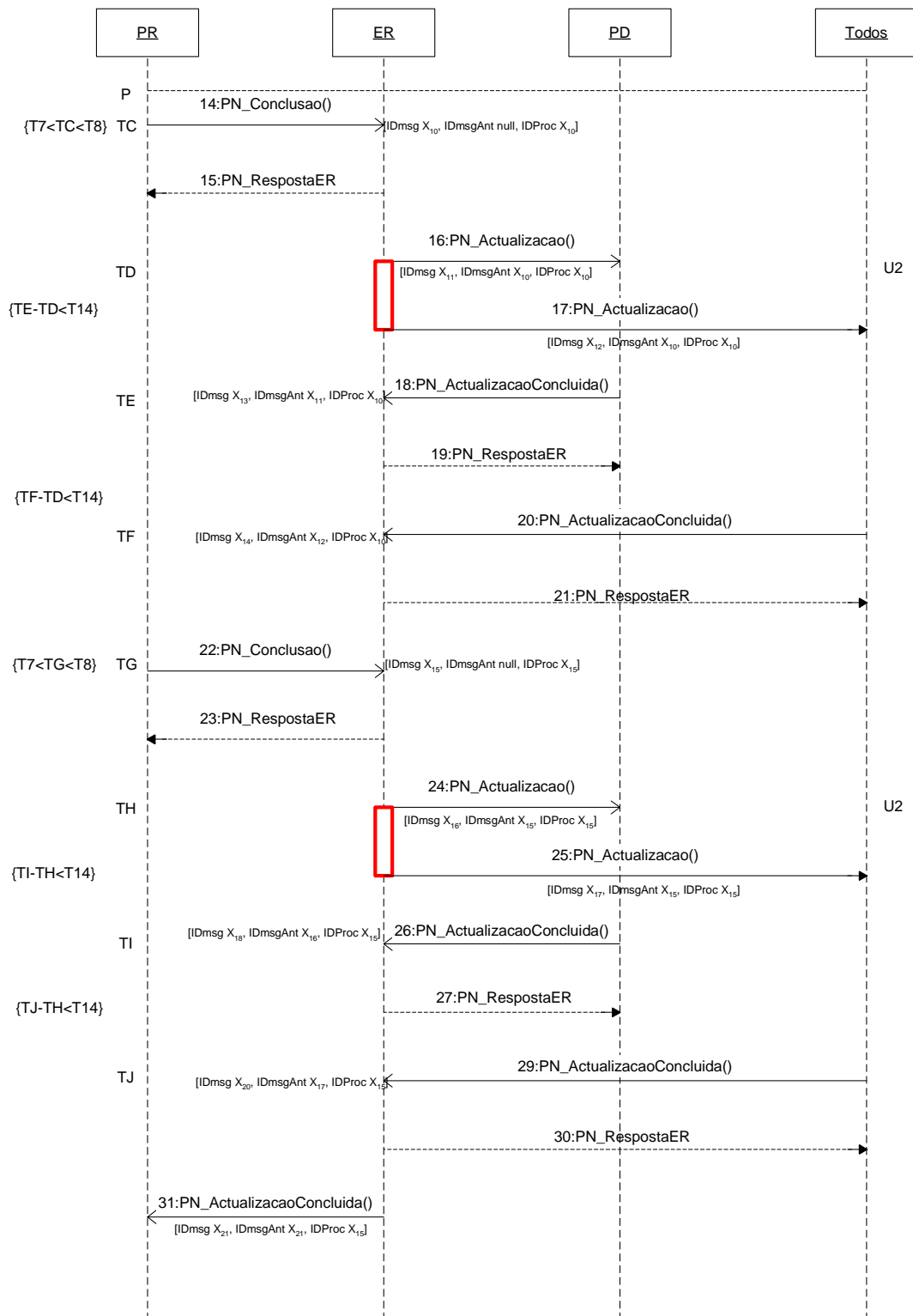


Figure 5 - PN_RequestPortabilidade, successful coherent request, part 2

PR = RP, ER = RE, PD = DP Todos = All

3.2.3 PN_RequestPortabilidade – rejected coherent request

1. The RP issues the first message in a coherent porting request. The T0 Timer defines the start of the message flow. The IDmensagem and IDprocesso are generated by the RE. For the initial message, the IDprocesso is identical to the IDmensagem.
2. The RE notifies the RP that the message was received and will be re-routed, and returns the assigned process and message identifiers.
3. and 4. The RP issues the following messages one by one and certifies that all messages relating to the coherent request are issued before expiry of timer T2. The RE manages the IDmensagem and the IDprocesso.
5. The RE notifies the RP for each message that the message was received and will be re-routed, and returns the assigned process and message identifiers. If all messages relative to the coherent request were not received within T2, error message 236 will be sent to the RP, and the process will be terminated.
6. and 7. The RE collects all messages relating to the coherent request and routes them to the DP.
8. 10, and 12. The DP validates each of the porting requests included in the coherent request. Although one or more of these porting requests may not satisfy the requirements of a valid request, a message PN_ConfRequestPortabilidade is returned for each PN_RequestPortabilidade accepted, and a message PN_Rejeicao is returned for each non-coherent message that is in error, indicating the grounds of rejection. The time limit for returning all messages PN_ConfRequestPortabilidade or PN_Rejeicao is T3 counted from T0. If all messages PN_ConfRequestPortabilidade relating to the coherent request were not received within T2, error message 234 will be sent to the DP.
9. 11. and 13. The RE notifies the DP that the messages were received and will be re-routed, and returns the assigned message identifiers.
14. 15. and 16. The RE routes the message PN_ConfRequestPortabilidade and PN_Rejeicao to the RP when all response messages relating to the coherent request have been received by the DP. As a result of the message(s) PN_Rejeicao, the process will be terminated. A new coherent PN_RequestPortabilidade with corrected information will initiate a new process in accordance with section 3.2.3.

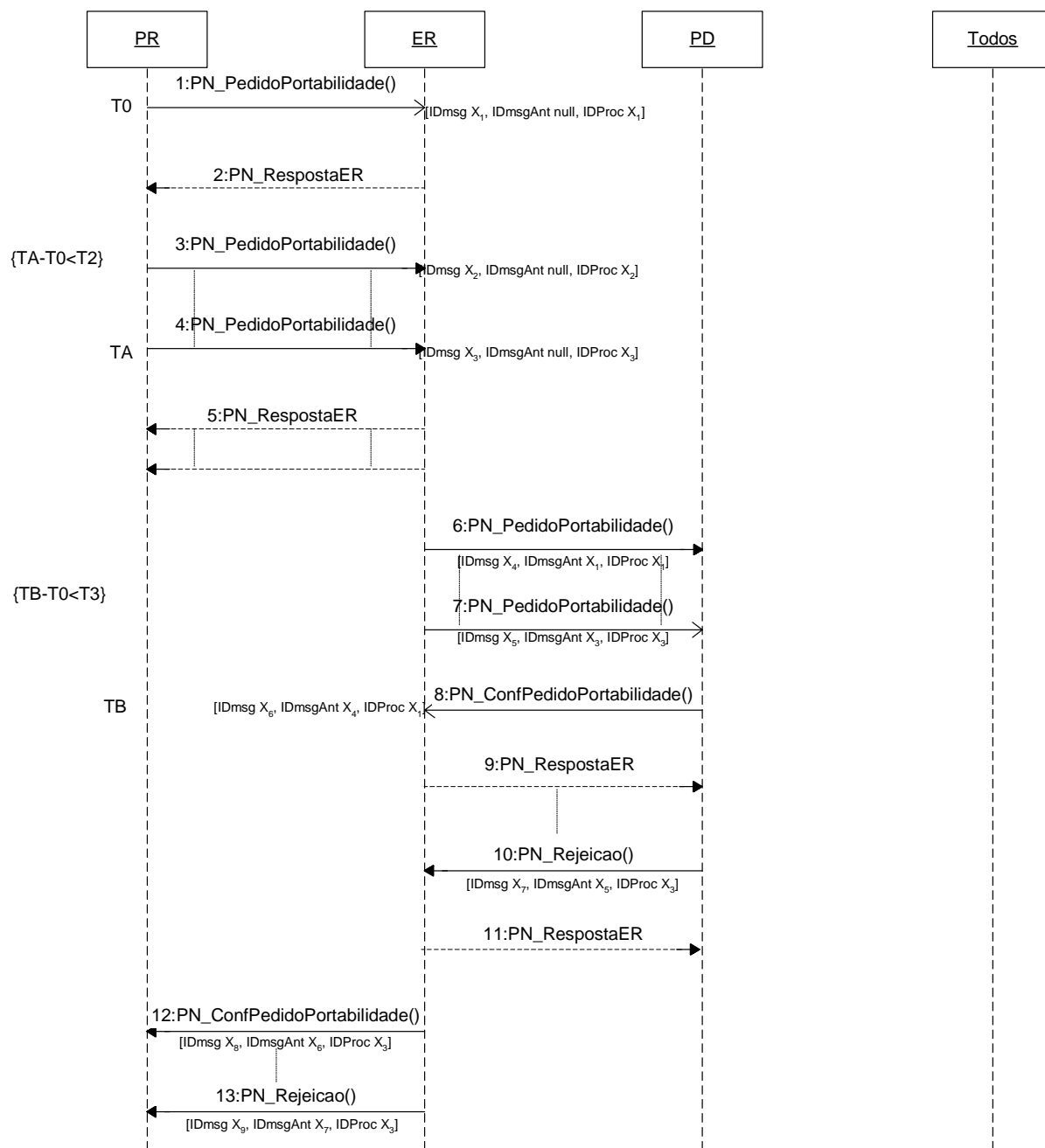


Figure 6 - PN_RequestPortabilidade, rejected coherent request

PR = RP, ER = RE, PD = DP Todos = All

3.2.4 Updating events

Two types of updating events take place:

- Updating of the number reference database (in RE)
- Updating of the routing database (all Providers).

The defined solution suggests two possible updating scenarios in Providers:

- U1: *Offline* updating – updating in function of the expected porting time
- U2: *online* updating – immediate updating when receiving the message, PN_Actualizacao

When the expected porting time is used to update routing databases, the Providers independently update their routing databases. In the sequential diagram, this is illustrated by updating event, U1.

When online updating is used, the Recipient Provider initiates the updating by sending the message PN_Conclusao (after updating its own routing database) to the RE, and the latter immediately distributes the message, PN_Actualizacao to all Providers. All online databases are immediately updated when the providers receive the message, PN_Actualizacao. In the sequential diagram, this is illustrated by updating event, U2.

The reference number database in the RE is updated at the moment in which the porting is expected to take place (DataHoraPortacaoAcordada – in the middle of the agreed porting window) received in the message, PN_ConfRequestPortabilidade.

3.3 Number Return (PN_RetornoNumero)

The cancellation of the porting cycle takes place when the customer of a ported number terminates his subscription with the relinquishing provider for this number or terminates the use of this number. The number thus enters a reserve period that will last T19 or T20, depending on whether it is a fixed/mobile number or a non-geographic number. The first part of the reserve period, T18, is the quarantine period, during which the customer that terminated the subscription may establish a new subscription with the same number. During the quarantine period, the number is classified as still having been ported, and pertains to the last relinquishing provider. When the quarantine period expires (and no new porting process was requested), the number is returned by the RE to the respective donor provider on the first working day following the end of the quarantine period.

In the sequential diagrams, the timer R (return time) illustrates the end of the quarantine period.

3.3.1 PN_RetornoNumero – normal return

1. The ReP receives a request to terminate the customer's subscription, and indicates to the RE, within a time interval of T16, that the number (or number range) will be returned. From then on, the RE is responsible for the returning process.
2. The RE notifies the ReP that the message was received, and returns the assigned identifiers.

The RE initiates the quarantine period associated to the number(s). The "Timer" R (return time) in the sequential diagram (dotted line) illustrates the end of the quarantine period. In this scenario, no new PN_RequestPortabilidade to the current number(s) arrived before expiry of the timer T18.

3. and 4. The RE distributes the message PN_ConfRetornoNumero to all the providers when the timer T18 expires (the customer did not renew the subscription, and the number will be returned to the DoP). The providers now have the information necessary to carry out online updating of their routing databases.
5. and 6. When the quarantine period T18 expires, the RE confirms that the reference database is updated, and that all *online* databases should be updated in conformity. The message, PN_Actualizacao is distributed to all providers (including the ReP). The message initiates a new flow and the IDprocesso is altered. The message PN_Actualizacao is used to carry out the online updating of the routing databases.
7. and 9. All providers confirm by sending the message PN_ActualizacaoConcluida in response to the message PN_Actualizacao that their databases have been updated. This includes the providers that updated their respective databases on the basis of the message PN_ConfRetornoNumero. The time limit for sending this message is T15, counted from TB (in this case, TB is associated to sending the message PN_Actualizacao).
8. and 10. The RE notifies the providers that the message was received, and returns the assigned identifiers.

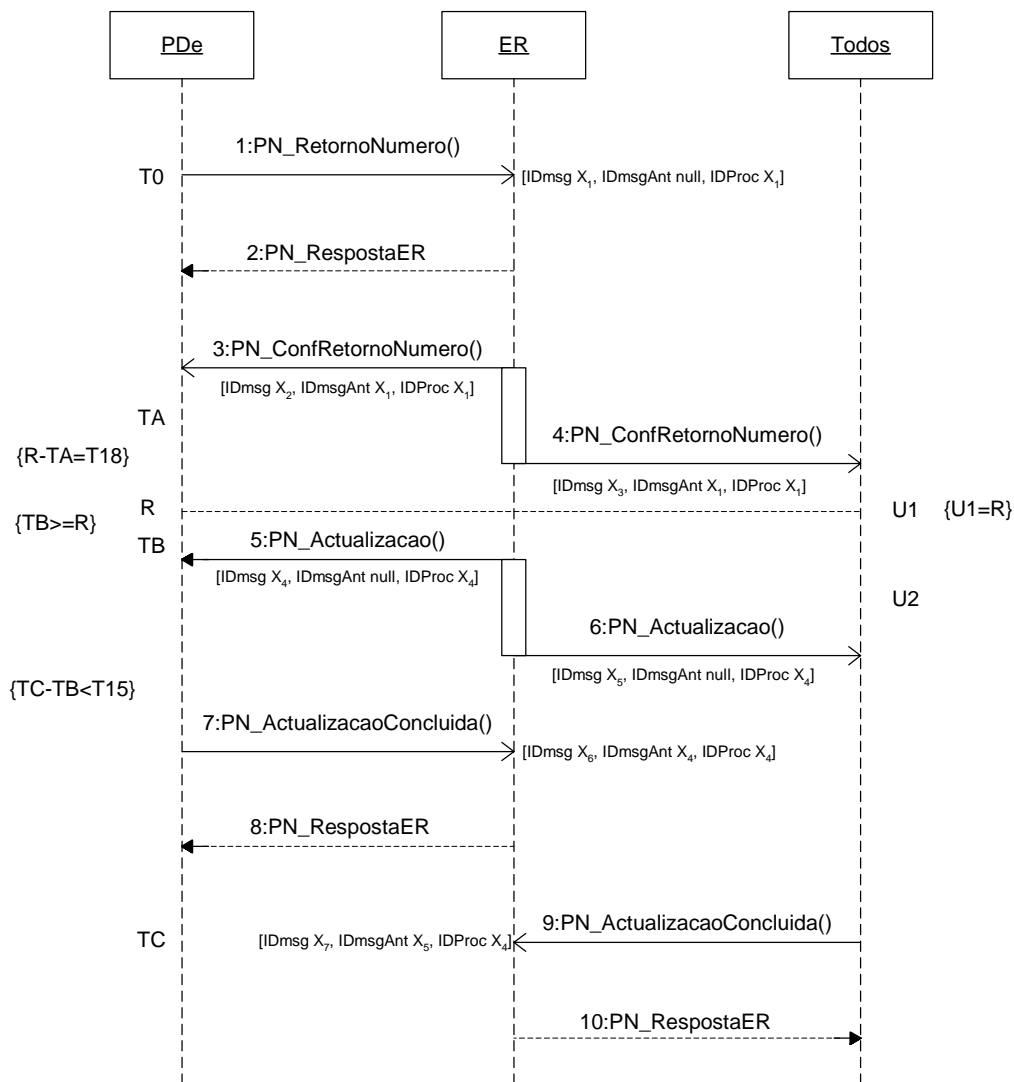


Figure 7 – PN_RetornoNumero – normal return

ER = RE, PDe = ReP

3.3.2 PN_RetornoNumero followed by PN_RequestPortabilidade

Within the quarantine period, the subscriber may initiate a subscription with the last relinquishing provider or another provider (if the customer intends to continue the subscription with the same provider, a message PN_RetornoNumero Cancelamento is sent – consult the relevant section). In this case the quarantine period is interrupted and the normal request procedures apply.

1. The ReP receives a subscription termination request from the customer, and indicates to the RE that the number (or number range) will be returned. The RE initiates the quarantine period associated to the(s) number(s). The “Timer” R (return time) in the sequential diagram (dotted line) illustrates the end of the quarantine period.
2. The RE notifies the ReP that the message will be re-routed, and returns the assigned identifiers.

3. Before expiry of timer T18, the RP sends a PN_RequestPortabilidade to the number in quarantine.
4. The RE notifies the RP that the message will be re-routed, and returns the assigned identifiers.
5. The RE routes the message to the ReP.
6. The ReP accepts the request and sends the message PN_ConfRequestPortabilidade to the RE, which then interrupts the quarantine period. (Nonetheless if the cancellation message, PN_RequestPortabilidade was received later, the quarantine period may be resumed). From then on, the message flow is identical to that described in section 3.2.1 concerning the porting request.

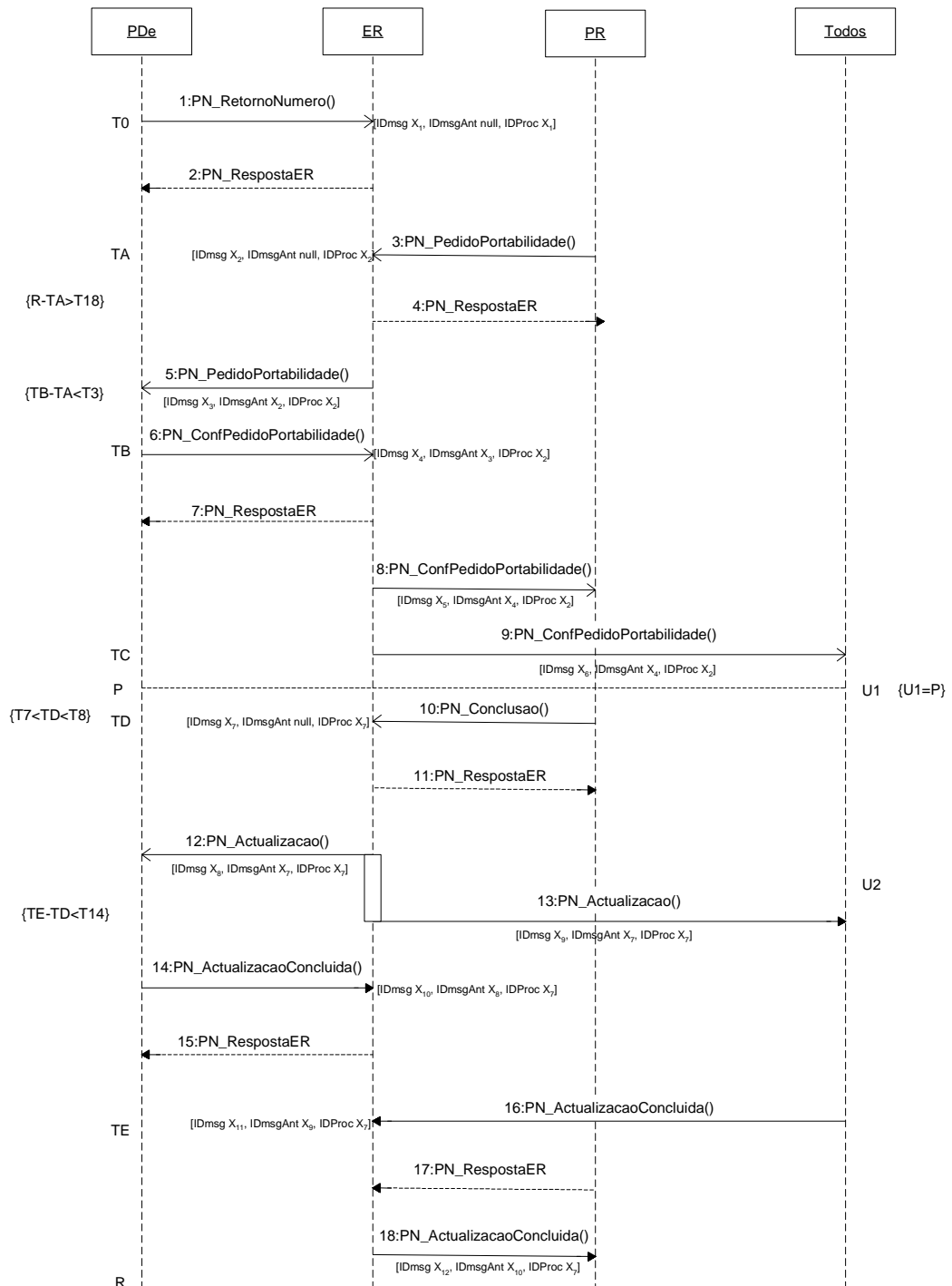


Figure 8 – PN_RetornoNumero followed by PN_RequestPortabilidade

PR = RP, ER = RE, PDe = ReP Todos = All

3.3.3 Updating events

The updating events, U1 and U2, are identical to those described for the porting request in 3.2.1.

3.4 Alteration of the NRN (PN_AlteracaoNRN)

The process of alteration of the NRN is used when the relinquishing provider needs to alter the NRN associated to a number or range of ported numbers, or if there was an error in the RDB. The procedure alters the entry in the RDB and subsequently all entries in the routing databases of all the other providers.

There are two types of alteration procedures – the normal procedure and the urgent procedure, indicated by definition of the parameter, AlteracaoUrgente. The urgent procedure should only be used when errors have been detected in the RDB.

In the case of the procedure normal, the alteration of the NRN may be requested between T12 (30 working days, specifically for a block request) and T11 (point of no return – 2 working days) before the effective date of the alteration (parameter DataHoraAlteracaoNRN).

In the case of the urgent procedure, indicated by the parameter AlteracaoUrgente, the parameter DataHoraAlteracaoNRN will be ignored – the alteration will immediately take place.

1. The ReP initiates alteration of the NRN.
2. The RE notifies the ReP that the message was received and will be re-routed, and returns the assigned identifiers.
3. and 4. The RE distributes the message PN_ConfAlteracaoNRN to all providers. All providers with an offline supply system now have the information required to update their routing databases (U1).
5. After the ReP has updated the routing database at the time announced for the alteration, a PN_AlteracaoNRNconcluida is sent to the RE.
6. The RE notifies the ReP that the message was received and will be re-routed, and returns the assigned identifiers.
7. On receiving the message PN_AlteracaoNRNconcluida or, by the latest, T14 before the end of the alteration window of the NRN, the RE distributes a PN_Actualizacao to all providers. They may now carry out online updating of their routing databases. For urgent messages, PN_AlteracaoNRN the message PN_Actualizacao is sent to all providers immediately after the message PN_ConfAlteracaoNRN.
8. All the other providers confirm that their respectivas databases were updated by sending the message PN_ActualizacaoConcluida in response to PN_Actualizacao or at the time set for the alteration. The time limit for sending this message is T15, counted from TB.
9. The RE notifies the providers that the message was received and will be re-routed.

10. At the end of the alteration window of the NRN, or 1 hour after the sending of the message PN_Actualizacao for an urgent alteration of the NRN, the RE routes a message PN_ActualizacaoConcluida to the ReP listing the providers that have responded with a message PN_ActualizacaoConcluida until that time. The messages, PN_ActualizacaoConcluida that are received after the sending of this message will be accepted by the RE, but will not be re-routed. The messages, PN_ActualizacaoConcluida, that arrive late will be updated in the table charting portability status, available for consultation by all providers via PN_RequestInformacao.

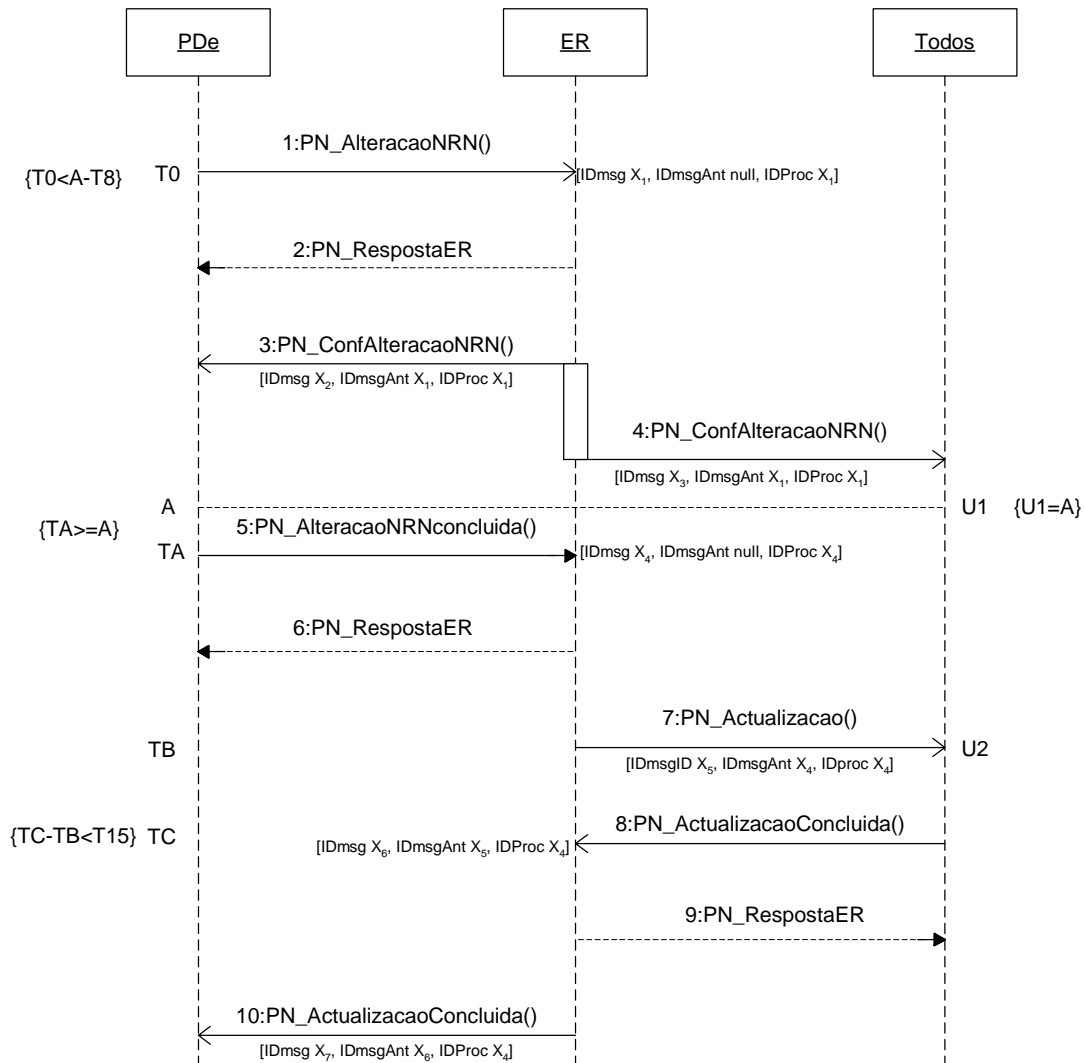


Figure 9 – PN_AlteracaoNRN

PDe = ReP, ER = RE, Todos = All

3.4.1 Updating events

The updating events, U1 and U2, are identical to those described for the porting request in 3.2.1.

3.5 PN_Cancelamento

This process is used to cancel processes in progress initiated via PN_RequestPortabilidade, PN_RetornoNumero or PN_AlteracaoNRN. The cancellation requires that there is a process in progress in order for it to be cancelled (otherwise, the RE returns a PN_Error). The parameter NumeroOrdemER serves as identifier of the process to be cancelled.

The message flow depends on the type of process, or in other words: if it is a PN_RequestPortabilidade, PN_RetornoNumero or PN_AlteracaoNRN to be cancelled. Nonetheless the same message, PN_Cancelamento, is used for all processes.

The cancellation of the individual requests integrated within a coherent request is made one by one.

3.5.1 Cancellation of PN_RequestPortabilidade

The message, PN_Cancelamento must be sent before expiry of T9 and will be distributed to all providers.

1. The RP issues the porting request. The T0 Timer defines the start of the message flow. The IDmensagem and IDprocesso are managed by the RE. For the initial message, the IDprocesso is identical to the IDmensagem.
2. The RE notifies the RP that the message was received and will be re-routed, and returns the assigned process and message identifiers.
3. The RE routes the message to the DP.
4. The DP validates and accepts the porting request, and agrees on the use of one of the porting windows suggested by the RP by sending the message PN_ConfRequestPortabilidade to the RE. The time limit for sending this this message is T3, counted from T0.
5. The RE notifies the DP that the message was received and will be re-routed, and returns the assigned message identifiers.
6. and 7. The RE routes the response to the RP and distributes the same responses to all other providers. The providers that use *offline* supply systems now have the information necessary to update their routing databases.
8. Before expiry of the timer T9 the RP decides to cancel the request and sends the message PN_Cancelamento containing the NumeroOrdemER associated to the request to be cancelled.
9. The RE notifies the user that the message was received and will be re-routed, and returns the assigned identifiers.
10. The RE routes the message to the DP that cancels the porting process and removes it from the routing database if an *offline* supply system is used.
11. The DP recognises the cancellation within T10 after sending the PN_Cancelamento.
12. The RE notifies the DP that the message was received and will be re-routed, and returns the assigned identifiers.
13. The RE routes the message to all other providers, that remove the porting process from routing database if an *offline* supply system is used.

14. All the other providers recognise the cancellation within T10 after the sending of PN_Cancelamento.
15. The RE notifies the providers that the message was received and will be re-routed, and returns the assigned identifiers.
16. When T10 expires, the RE sends the message PN_ConfCancelamento to the RP listing the providers that have responded with the message PN_ConfCancelamento by that time. This situation is now identical to that found before T0. Porting will not take place. The messages PN_ConfCancelamento that are received after the sending of this message will be accepted by the RE, but will not be re-routed. The messages PN_ConfCancelamento that arrive late will be updated in the table charting the status of portability, available for consultation by all Providers via PN_RequestInformacao.



Figure 10 – PN_Cancelamento relating to PN_RequestPortabilidade

PR = RP, ER = RE, PD = DP Todos = All

3.5.2 Cancellation of PN_RetornoNumero

In regards to the process PN_RetornoNumero, a PN_ConfRetornoNumero is distributed to all providers when the timer T17 expires. The message PN_Cancelamento must be sent before expiry of T17, and then the message, PN_ConfRetornoNumero will not be distributed. At this time, only the RE is involved, and therefore the RE will not re-route the message, PN_Cancelamento.

1. The ReP receives a subscription termination request or request to use the number from the customer, and indicates to the RE within the following 5 working days in order to ensure that the number (or number range) are returned. From then on, the RE is responsible for the returning process. The RE initiates the quarantine period associated to the number(s). The “Timer” R (return time) in the sequential diagram (dotted line) illustrates the end of the quarantine period.
2. The RE notifies the ReP that the message was received, and returns the assigned identifiers.
3. Before expiry of timer T17, the ReP decides to cancel the return process (e.g., because the customer changed ideas and intends to maintain his subscription with the same provider).
4. The RE notifies the ReP that the message will be re-routed, and returns the assigned identifiers.
5. The RE recognises this cancellation and interrupts the quarantine period. This situation is now identical to that found before T0.

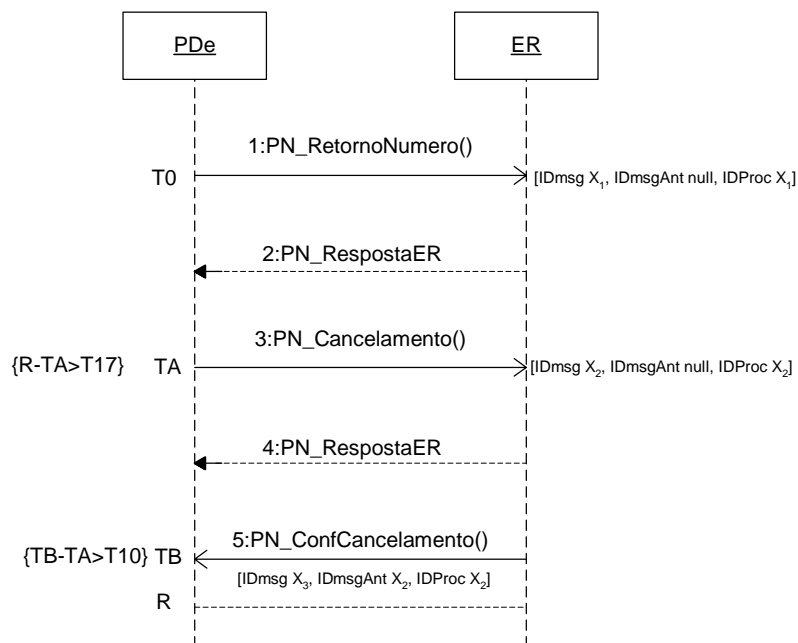


Figure 11 - PN_Cancelamento relating to PN_RetornoNumero

PDe = ReP, ER = RE

Cancellation of PN_AlteracaoNRN

The message PN_Cancelamento must be sent before expiry of T13 and will be distributed to all providers.

1. The ReP initiates alteration of the NRN.
2. The RE notifies the ReP that the message was received and will be re-routed, and returns the assigned identifiers.
3. and 4. The RE distributes the message PN_ConfAlteracaoNRN to all providers. All providers with an offline supply system now have the information necessary to update their routing databases (U1).
5. Before expiry of timer T13, the ReP decides to cancel the process PN_AlteracaoNRN and sends the message PN_Cancelamento with the NumeroOrdemER associated to the process, to the RE.
6. The RE notifies the ReP that the message was received and will be re-routed, and returns the assigned identifiers.
7. The RE routes the message, PN_Cancelamento to all providers, and the providers that update their respective databases have to remove the entry.
8. All providers recognise the cancellation by sending the message PN_ConfCancelamento to the RE within T10.
9. The RE notifies the providers that the message was received and will be re-routed, and returns the assigned identifiers.
10. When T10 expires, the RE routes a message, PN_ConfCancelamento to the ReP listing the providers that have responded with a message, PN_ConfCancelamento by that time. This situation is now identical to that found before T0. There will be no alteration of the NRN. The messages, PN_ConfCancelamento that are received after the sending of this message will be accepted by the RE, but will not be re-routed. The messages, PN_ConfCancelamento that arrive late will be updated in the table charting the status of portability, available for consultation by all Providers via PN_RequestInformacao.

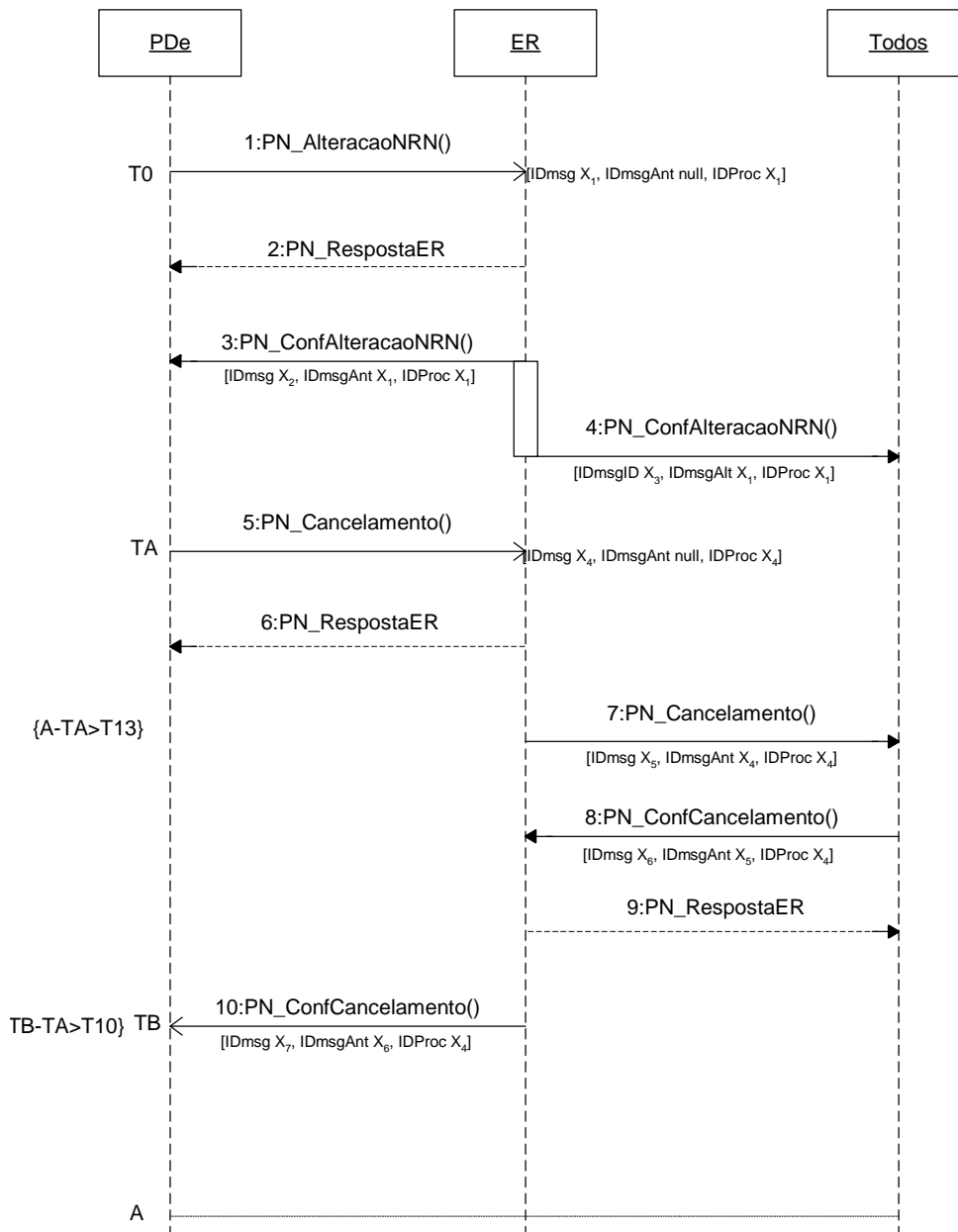


Figure 12 - PN_Cancelamento relating to PN_AlteracaoNRN

PDe = ReP, ER = RE, Todos = All

3.6 Alteration of the Porting Request

There is no specific procedure for alteration of a request, given that this is seen as being the same as cancelling a request to be altered and issuing a new request.

3.7 NRN Synchronisation Processes

3.7.1 Notification of information on portability

Every day, immediately after 24:00, the RE will provide 2 files via PN_Informacao: one with a summary of the confirmed operations that have taken place during the previous 24 hours; the other with a summary of the changes in the status of the NRN tables (create, remove or alter) that will take place during the next 24 hours.

1. The RE sends the message, PN_Informacao to all providers that the information is available to be retrieved.
2. The providers confirm reception of PN_Informacao with the message PN_ConfInformacao.

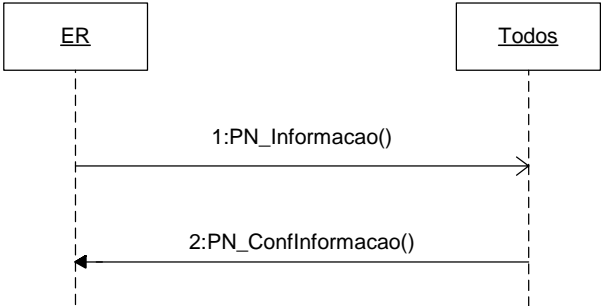


Figure 13 - PN_Informacao

ER = RE, Todos = All

3.7.2 Retrieval of information on NRN

Complete information on NRN may be retrieved at any time using the procedure PN_RequestInformacao, with the regularity that is considered advisable.

3.8 Process of Information Request (PN_RequestInformacao)

This procedure will be used to request information from the RE. Information to be supplied by the RE, is as follows:

- Information on the NRN:
 - Complete information on the NRN
 - Information on NRN for specific telephone numbers
 - History of changes to the number or number range (only those by the RP and ReP involved)
- Information on porting requests by the provider that requests information:
 - Requests submitted
 - Requests cancelled
 - Requests rejected
 - Requests pending
 - Requests concluded
- Reports
 1. A provider requests information from the RE (e.g., a list of requests pending).
 2. The RE returns current data.

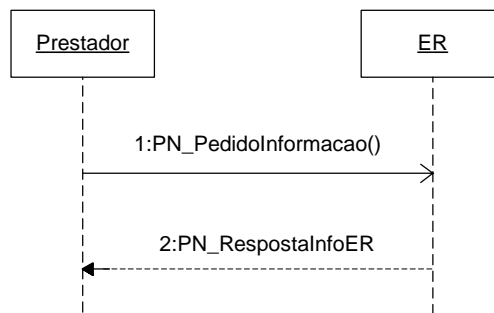


Figure 14 - PN_RequestInformacao

Prestador = Provider, ER = RE

3.9 PN_Error

In general, when a provider tries to send a message and the RE detects an error, the RE returns a PN_Error. The message sequence is now interrupted and the provider must issue a new command.

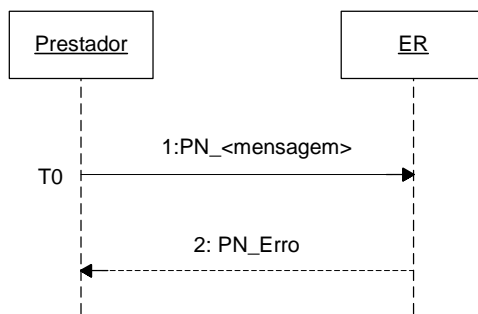


Figure 15 - PN_Error

Prestador = provider, ER = RE

4 Timers

Timer	Name of timer	Time limit	Description
T0	Start	No limit	Time to send the first message in a sequence.
T1	Response time of RE	15 minutes	Maximum time, counted from T0, to process messages received and return PN_RespostaER or PN_Error.
T2	Maximum time for sending all messages in a coherent request	30 minutes	Maximum time, counted from T0, to send all messages in a coherent request.
T3	Maximum response time for porting request	2 working days	Maximum time, counted from T0, for the DP to accept one of the porting windows proposed by the RP or reject the porting request.
T4	Minimum time until porting (fixed)	8 working days	The first chronological porting window may not be requested with less than T4 after T0, for fixed or non-geographic numbers.
T4M	Minimum time until porting (Mobile)	5 working days	The first chronological porting window may not be requested with less than T4M after T0, for mobile numbers.
T5	Maximum time until porting	20 working days	The last chronological porting window cannot be requested with more than T5 after T0.
T6	Response time of DP for cancellation of a porting request	30 minutes	Maximum time, counted from moment on which the RP sends the message, Cancelamento de Request, until the moment em that the DP must confirm cancellation of the porting request.
T7	Lower limit of porting window	Agreed porting time -90 min	Start of the porting window, relating to the parameter DataHoraPortacaoAcordada.
T8	Upper limit of porting window	Agreed porting time +90 min	End of the porting window, relating to the parameter DataHoraPortacaoAcordada.
T9	Point of no return of porting request	Agreed porting time - 2 working days	A porting request may not be cancelled after T9 before DataHoraPortacaoAcordada.
T10	Maximum time for confirmation of cancellation	12 horas	Maximum time, counted from the sending of the message of cancellation, until sending of a PN_ConfCancelamento to all providers.
T11	Minimum time until alteration of the NRN	2 working days	Alteration of the NRN must be requested with a minimum prior notice of T11 before carrying out the planned alteration.
T12	Maximum time until alteration of the NRN	30 working days	Alteration of the NRN must be requested with a maximum prior notice of T12 before carrying out the planned alteration
T13	Point of no return of alteration of the NRN	2 working days	Alteration of the NRN cannot be cancelled after T13 before DataHoraAlteracaoNRN.
T14	Last sending of PN_Actualizacao	10 minutes before end of porting window or alteration of the NRN	If the RE does not receive a PN_Conclusao from the RP or a PN_AlteracaoConcluida from the ReP before T14 before the porting window or time of alteration of the NRN, the RE will still send the message, PN_Actualizacao to all providers.
T15	Response time of PN_ActualizacaoConcluida	10 minutes	Maximum response time to the message, PN_ActualizacaoConcluida after the RE sends the message, PN_Actualizacao.
T16	Maximum time for sending PN_RetornoNumero	5 working days after termination of use of the number	ReP must submit the message, PN_RetornoNumero up until T16 after termination of use of the number.
T17	Cancellation of PN_RetornoNumero	Until end of quarantine period	Cancellation of PN_RetornoNumero may be sent by the ReP until the end of the quarantine period.
T18	Quarantine period	3 months after termination of use of the number	The return of the number to the DoP is carried out at the end of the quarantine period.
T19	Reserve period for geographic and mobile numbers	6 months after termination of use of the number	The geographic or mobile number may be re-used by the DoP after T19.
T20	Reserve period for non-geographic numbers	12 months after termination of use of the number	The non-geographic number may be re-used by the DoP after T20.

5 Messages

5.1 Types of Message and Parameters

If a parameter is marked as *optional* '(O)', this signifies that the parameter may or may not be present. If present, and with non-null content, its value must be valid. The RE must maintain any optional parameters of the message received from a provider when re-routing this message to another provider.

If a parameter is marked as *mandatory* '(M)', this signifies that the parameter must be present and that the content must be present and valid.

If a parameter is marked as *not applicable* 'N/A', this signifies that the parameter cannot be present in this message. If the parameter is present (indicating an error), the message must be signalled with error.

ID of message	Name of message	Function
001	PN_RequestPortabilidade	Request to port number
002	PN_RetornoNumero	Notification of return of ported number to the number's donor.
003	PN_AlteracaoNRN	Notification of alteration of the NRN for a ported number
004	PN_RespostaER	Confirmation by the RE that a request, cancellation, return or alteration message was received and validated as OK
005	PN_ConfRequestPortabilidade	Confirmation of request by Relinquishing Entity
006	PN_ConfRetornoNumero	Confirmation of return of number by the RE
007	PN_ConfAlteracaoNRN	Confirmation of alteration of NRN by the RE
008	PN_Conclusao	Porting operation concluded
009	PN_AlteracaoNRNconcluida	Alteration of NRN concluded
010	PN_Actualizacao	Indication of updating of new porting data in online databases.
011	PN_ActualizacaoConcluida	Confirmation of updating of new porting data in online databases.
012	PN_Cancelamento	Cancellation of request, return or alteration of NRN
013	PN_ConfCancelamento	Confirmation of cancellation of request, return or alteration of NRN
014	PN_Informacao	Indication of availability of daily information on 1) confirmed operations of request, cancellation and alteration of NRN that have taken place on that day and 2) requests and alterations of NRN expected during the following day.
015	PN_ConfInformacao	Confirmation from the providers that the message, PN_Informacao was received
016	PN_RequestInformacao	Request of information from the RE
017	PN_RespostaInfoER	Response from the RE regarding an information request from a provider

018	PN_Rejeicao	Rejecting of a ported number request Notification from the RE concerning a communication error (RE received the message with an error)
019	PN_Error	

5.1.1 PN_RequestPortabilidade

The Recipient Provider uses the message PN_RequestPortabilidade to initiate the porting request of one or more telephone numbers, or one or more number ranges.

The optional and mandatory fields, as well as the timer values, depend on the type of number - fixed or mobile – that is requested to be ported. The field “TipoNumero” indicates this type. Non-geographic numbers (800, 808, etc.) are handled as fixed numbers in terms of porting requests. Numbers relating to a service number are ported separately whenever necessary, using suitable procedures.

PN_RequestPortabilidade ::= ‘CodigoMensagem=001’

PN_RequestPortabilidade	To the RE		From the RE	
	Fixed	Mobile	Fixed	Mobile
DataHoraMensagem	(M)	(M)	(M)	(M)
NumeroOrdemER	N/A	N/A	(M)	(M)
IDprocesso	N/A	N/A	(M)	(M)
IDmensagem	N/A	N/A	(M)	(M)
IDmensagemAntecessora	N/A	N/A	(M)	(M)
NumeroOrdemPrestador	(M)	(M)	(M)	(M)
NumTotalPedidos	(M)	(M)	(M)	(M)
NumeroSequencial	(M)	(M)	(M)	(M)
IDdoador	N/A	N/A	(M)	(M)
IDdetentor	N/A	N/A	(M)	(M)
IDreceptor	N/A	N/A	(M)	(M)
NomeContactoReceptor	(O)	(O)	(O)	(O)
TelefoneContactoReceptor	(O)	(O)	(O)	(O)
FaxContactoReceptor	(O)	(O)	(O)	(O)
EmailContactoReceptor	(O)	(O)	(O)	(O)
NomeCliente	(M)	(M)	(M)	(M)
SIMcliente	N/A	(M)	N/A	(M)
MoradaCliente	(M)	(O)	(M)	(O)
LocalidadeCliente	(M)	(O)	(M)	(O)
CodPostalCliente	(M)	(O)	(M)	(O)
TipoDocIDcliente	(O)	(O)	(O)	(O)
DocIDcliente	(O)	(O)	(O)	(O)
TipoNumero	(M)	(M)	(M)	(M)

NumTelefonePrincipalPPCA	(O)	N/A	(O)	N/A
NumTelefoneInicial	(M)	(M)	(M)	(M)
NumTelefoneFinal	(M)	(M)	(M)	(M)
Facilidades	N/A	(M)	N/A	(M)
NRNactual	N/A	N/A	(M)	(M)
NRNnovo	(M)	(M)	(M)	(M)
InfoFacturacao	(O)	(O)	(O)	(O)
DataHoraPortacao1	(M)	(M)	(M)	(M)
DataHoraPortacao2	(M)	(M)	(M)	(M)
DataHoraPortacao3	(M)	(M)	(M)	(M)
AccaoCoordenada	(M)	N/A	(M)	N/A
TipoAccaoNRN	N/A	N/A	(M)	(M)
Observacoes	(O)	(O)	(O)	(O)
Auxiliar1	(O)	(O)	(O)	(O)
Auxiliar2	(O)	(O)	(O)	(O)
Auxiliar3	(O)	(O)	(O)	(O)
Auxiliar4	(O)	(O)	(O)	(O)
Auxiliar5	(O)	(O)	(O)	(O)
Auxiliar6	(O)	(O)	(O)	(O)

5.1.2 PN_RetornoNumero

The relinquishing provider uses a message, PN_RetornoNumero to inform the RE on the termination of a subscription with ported numbers or ported number ranges, thus setting off the start of the quarantine periods and reserve periods.

The use of this message is identical for all types of numbers.

PN_RetornoNumero ::= 'CodigoMensagem=002'

PN_RetornoNumero	To the RE	
DataHoraMensagem	(M)	
NumeroOrdemER	N/A	Returned by the RE
IDprocesso	N/A	Returned by the RE
IDmensagem	N/A	Returned by the RE
IDmensagemAntecessora	N/A	Returned by the RE
NumeroOrdemPrestador	(M)	
IDdoador	N/A	
IDdetentor	N/A	
NumTelefonePrincipalPPCA	(O)	
NumTelefoneInicial	(M)	

NumTelefoneFinal	(M)
NRNactual	N/A
DataTerminacao	(M)
Observacoes	(O)
Auxiliar1	(O)
Auxiliar2	(O)
Auxiliar3	(O)
Auxiliar4	(O)
Auxiliar5	(O)
Auxiliar6	(O)

5.1.3 PN_AlteracaoNRN

The relinquishing provider uses the message PN_AlteracaoNRN to inform the RE of the alteration of a NRN.

There are two types of alteration procedures of the NRN – the normal procedure normal and the urgent procedure, indicated by the definition of the parameter, AlteracaoUrgente.

In the normal procedure, alteration of the NRN may be requested until T12 before the DataHoraAlteracaoNRN, but with a minimum prior notice of T11.

In the urgent procedure, the parameter, DataHoraAlteracaoNRN will be ignored – the alteration will be immediately carried out.

PN_AlteracaoNRN ::= 'CodigoMensagem=003'

PN_AlteracaoNRN	To the RE	
DataHoraMensagem	(M)	
NumeroOrdemER	N/A	Returned by the RE
IDprocesso	N/A	Returned by the RE
IDmensagem	N/A	Returned by the RE
IDmensagemAntecessora	N/A	Returned by the RE
NumeroOrdemPrestador	(M)	
IDdetentor	N/A	
TipoNumero	(M)	
NumTelefonePrincipalPPCA	(O)	
NumTelefoneInicial	(M)	
NumTelefoneFinal	(M)	
NRNactual	N/A	
NRNnovo	(M)	
InfoFacturacao	(O)	
DataHoraAlteracaoNRN	(M)	
AlteracaoUrgente	(M)	
Observacoes	(O)	
Auxiliar1	(O)	
Auxiliar2	(O)	
Auxiliar3	(O)	
Auxiliar4	(O)	
Auxiliar5	(O)	
Auxiliar6	(O)	

5.1.4 PN_RespostaER

The RE uses this type de message to return the unique order number assigned by the RE in the parameter, NumeroOrdemER.

PN_RespostaER ::= 'CodigoMensagem=004'

PN_RespostaER	From the RE
DataHoraMensagem	(M)
NumeroOrdemER	(M)
IDprocesso	(M)
NumeroOrdemPrestador	(M)
IDmensagemAntecessora	(M)

5.1.5 PN_ConfRequestPortabilidade

The donor provider or relinquishing provider uses this message to confirm the porting request, and the RE routes it to the Recipient Provider and all other providers.

PN_ConfRequestPortabilidade ::= 'CodigoMensagem=005'

PN_ConfRequestPortabilidade	To the RE	From the RE
DataHoraMensagem	(M)	(M)
NumeroOrdemER	(M)	(M)
IDprocesso	(M)	(M)
IDmensagem	N/A	(M)
IDmensagemAntecessora	(M)	(M)
NumeroOrdemPrestador	(M)	(M)
NumTotalPedidos	(M)	(M)
NumeroSequencial	(M)	(M)
IDdoador	N/A	(M)
IDdetentor	N/A	(M)
IDreceptor	N/A	(M)
NomeContactoReceptor	N/A	(O)
TelefoneContactoReceptor	N/A	(O)
FaxContactoReceptor	N/A	(O)
EmailContactoReceptor	N/A	(O)
NomeContactoDetentor	(O)	(O)
TelefoneContactoDetentor	(O)	(O)
FaxContactoDetentor	(O)	(O)
EmailContactoDetentor	(O)	(O)
TipoNumero	N/A	(M)
NumTelefonePrincipalPPCA	N/A	(O)
NumTelefoneInicial	N/A	(M)
NumTelefoneFinal	N/A	(M)
NRNactual	N/A	(M)
NRNnovo	N/A	(M)
InfoFacturacao	N/A	(O)
DataHoraPortacaoAcordada	(M)	(M)
TipoAcaoNRN	N/A	(M)
Observacoes	(O)	(O)
Auxiliar1	(O)	(O)
Auxiliar2	(O)	(O)
Auxiliar3	(O)	(O)

Auxiliar4	(O)	(O)
Auxiliar5	(O)	(O)
Auxiliar6	(O)	(O)

5.1.6 PN_ConfRetornoNumero

The RE uses this message to inform all providers of the return of a ported number at the end of the quarantine period.

PN_ConfRetornoNumero ::= 'CodigoMensagem=006'

PN_ConfRetornoNumero	From the RE
DataHoraMensagem	(M)
NumeroOrdemER	(M)
IDprocesso	(M)
IDmensagem	(M)
IDmensagemAntecessora	(M)
NumeroOrdemPrestador	(M)
IDdoador	(M)
IDdetentor	(M)
NumTelefonePrincipalPPCA	(O)
NumTelefoneInicial	(M)
NumTelefoneFinal	(M)
NRNactual	(M)
DataTerminacao	(M)
DataRetorno	(M)
TipoAcaoNRN	(M)
Observacoes	(O)
Auxiliar1	(O)
Auxiliar2	(O)
Auxiliar3	(O)
Auxiliar4	(O)
Auxiliar5	(O)
Auxiliar6	(O)

5.1.7 PN_ConfAlteracaoNRN

The RE uses this message to inform all providers of an alteration of a NRN.

PN_ConfAlteracaoNRN ::= 'CodigoMensagem=007'

PN_ConfAlteracaoNRN	From the RE
DataHoraMensagem	(M)
NumeroOrdemER	(M)

IDprocesso	(M)
IDmensagem	(M)
IDmensagemAntecessora	(M)
NumeroOrdemPrestador	(M)
IDdetentor	(M)
NumTelefonePrincipalPPCA	(O)
NumTelefoneInicial	(M)
NumTelefoneFinal	(M)
NRNactual	(M)
NRNnovo	(M)
InfoFacturacao	(O)
DataHoraAlteracaoNRN	(M)
AlteracaoUrgente	(M)
TipoAccaoNRN	(M)
Observacoes	(O)
Auxiliar1	(O)
Auxiliar2	(O)
Auxiliar3	(O)
Auxiliar4	(O)
Auxiliar5	(O)
Auxiliar6	(O)

5.1.8 PN_Conclusao

The Recipient Provider uses this message to notify the RE that the access connection to the customer has been established and that the routing databases in the Recipient Provider have been updated, i.e., that it has concluded the internal operations relating to the porting request carried out.

PN_Conclusao ::= 'CodigoMensagem=008'

PN_Conclusao	From the RE
DataHoraMensagem	(M)
NumeroOrdemER	(M)
IDprocesso	(M)
IDmensagem	N/A
IDmensagemAntecessora	(M)
NumeroOrdemPrestador	(M)
IDreceptor	(M)

5.1.9 PN_AlteracaoNRNconcluida

The Recipient Provider uses this message to notify the RE that the Recipient Provider's routing databases have been updated with the new NRN, i.e., that it has concluded its internal operations relative to the alteration of the requested NRN.

PN_AlteracaoNRNconcluida ::= 'CodigoMensagem=009'

PN_AlteracaoNRNconcluida	To the RE
DataHoraMensagem	(M)
NumeroOrdemER	(M)
IDprocesso	N/A
IDmensagem	N/A
IDmensagemAntecessora	N/A
NumeroOrdemPrestador	(M)
IDdetentor	(M)

5.1.10 PN_Actualizacao

The RE uses this message to notify the alterations in the providers' databases of a number or number range. This message is sent to all providers, except the provider that started the process in progress with PN_Conclusao, PN_AlteracaoNRN or PN_RetornoNumero. When the RE sends the message PN_Actualizacao, it is assumed that the RE' reference database is already updated, and that this information is withdrawn from the reference database.

PN_Actualizacao ::= 'CodigoMensagem=010'

PN_Actualizacao	From the RE
DataHoraMensagem	(M)
NumeroOrdemER	(M)
IDprocesso	(M)
IDmensagem	(M)
IDmensagemAntecessora	(M)
NumeroOrdemPrestador	(M)
NumTotalPedidos	(M)
NumeroSequencial	(M)
IDdoador	(M)
IDdetentor	(M)
IDreceptor	(M)
NomeContactoReceptor	(O)

TelefoneContactoReceptor	(O)
FaxContactoReceptor	(O)
EmailContactoReceptor	(O)
NomeContactoDetentor	(O)
TelefoneContactoDetentor	(O)
FaxContactoDetentor	(O)
EmailContactoDetentor	(O)
TipoNumero	(M)
NumTelefonePrincipalPPCA	(O)
NumTelefoneInicial	(M)
NumTelefoneFinal	(M)
NRNactual	(M)
NRNnovo	(M)
InfoFacturacao	(O)
DataHoraPortacaoAcordada	(M)
TipoAccaoNRN	(M)
Observacoes	(O)
Auxiliar1	(O)
Auxiliar2	(O)
Auxiliar3	(O)
Auxiliar4	(O)
Auxiliar5	(O)
Auxiliar6	(O)

5.1.11 PN_ActualizacaoConcluida

All providers use this message to confirm that their respective databases have been updated in accordance with the information in the message PN_ConfRequestPortabilidade, PN_ConfAlteracaoNRN or prior PN_Actualizacao, depending whether they use offline or online provision systems. The providers that use *offline* supply systems send the message PN_ActualizacaoConcluida during the porting window, whereas the providers that use online supply systems may return the message PN_ActualizacaoConcluida in response to the message PN_Actualizacao sent by the RE.

PN_ActualizacaoConcluida ::= 'CodigoMensagem=011'

PN_ActualizacaoConcluida	To the RE	From the RE
DataHoraMensagem	(M)	(M)
NumeroOrdemER	(M)	(M)
IDprocesso	(M)	(M)
IDmensagem	N/A	(M)
IDmensagemAntecessora	(M)	(M)
NumeroOrdemPrestador	(M)	(M)
Listprestadores	N/A	(M)

5.1.12 PN_Cancelamento

The provider that initiated a PN_RequestPortabilidade, PN_RetornoNumero or PN_AlteracaoNRN process, uses this message to cancel this process. In porting request and alteration of NRN processes, the PN_Cancelamento cannot be sent before cancellation of the process has been confirmed via the messages PN_ConfRequestPortabilidade or PN_ConfAlteracaoNRN.

PN_Cancelamento ::= 'CodigoMensagem=012'

PN_Cancelamento	To the RE	From the RE
DataHoraMensagem	(M)	(M)
NumeroOrdemER	(M)	(M)
IDprocesso	N/A	(M)
IDmensagem	N/A	(M)
IDmensagemAntecessora	N/A	(M)
NumeroOrdemPrestador	(M)	(M)
NumTelefonePrincipalPPCA	N/A	(O)
NumTelefoneInicial	N/A	(M)
NumTelefoneFinal	N/A	(M)
NRNactual	N/A	(M)
NRNnovo	N/A	(M)
InfoFacturacao	N/A	(O)
Observacoes	(O)	(O)
Auxiliar1	(O)	(O)
Auxiliar2	(O)	(O)
Auxiliar3	(O)	(O)
Auxiliar4	(O)	(O)
Auxiliar5	(O)	(O)
Auxiliar6	(O)	(O)

5.1.13 PN_ConfCancelamento

This type de message is used by the donor provider or relinquishing provider to confirm cancellation of the existing porting request, and by the RE to confirm cancellation of the return of a number of alteration of the NRN.

PN_ConfCancelamento ::= 'CodigoMensagem=013'

PN_ConfCancelamento	To the RE	From the RE
DataHoraMensagem	(M)	(M)
NumeroOrdemER	(M)	(M)
IDprocesso	(M)	(M)
IDmensagem	N/A	(M)
IDmensagemAntecessora	(M)	(M)
NumeroOrdemPrestador	(M)	(M)
Listaprestadores	N/A	(M)

5.1.14 PN_Informacao

The RE uses this message to inform all operators that the summary list of confirmed operations (PN_ConfRequestPortabilidade, PN_ConfAlteracaoNRN, PN_ConfRetornoNumero and PN_ConfCancelamento) that took place on the previous day, and the summary list of confirmed alteration in the current day (PN_ConfRequestPortabilidade and PN_ConfAlteracaoNRN) are ready to be retrieved. The message is automatically generated by the RE and is sent after 24:00 on all working days.

PN_Informacao ::= 'CodigoMensagem=014'

PN_Informacao	From the RE
DataHoraMensagem	(M)
NumeroOrdemER	(M)
IDprocesso	(M)
IDmensagem	(M)
IDmensagemAntecessora	N/A

5.1.15 PN_ConfInformacao

The providers use this message to confirm reception of the message PN_Informacao sent by the RE.

PN_ConflInformacao ::= 'CodigoMensagem=015'

PN_ConflInformacao	To the RE
DataHoraMensagem	(M)
NumeroOrdemER	(M)
IDprocesso	(M)
IDmensagem	N/A
IDmensagemAntecessora	(M)

5.1.16 PN_RequestInformacao

The providers use this message to request specific information from the RE.

The information available is:

- Information on the NRN:
 - Complete information on the NRN
 - Information on the NRN for specific telephone numbers
 - History of modifications to the number or number range (only by the RP and ReP involved)
- Information concerning the porting requests of the provider that requests the information:
 - Requests submitted
 - Requests cancelled
 - Requests rejected
 - Requests pending
 - Requests concluded
- Reports

PN_RequestInformacao ::= 'CodigoMensagem=016'

PN_RequestInformacao	To the RE
DataHoraMensagem	(M)
NumeroOrdemER	N/A
IDprocesso	N/A
IDmensagem	N/A
IDmensagemAntecessora	N/A
NumeroOrdemPrestador	(M)
IDdoador	(O)
IDdetentor	(O)
IDreceptor	(O)
TipoNumero	(O)
NumTelefoneInicial	(O)
NumTelefoneFinal	(O)
NRNactual	(O)

DataHoralInicial	(O)
DataHoraFinal	(O)
TipoRelatorioRequest	(O)

This will be better defined by parameters at a later date, when the RE specifies its communication interfaces with the providers.

5.1.17 PN_RespostaInfoER

The RE uses this message to respond to information requests made by the providers via PN_RequestInformacao.

PN_RespostaInfoER ::= 'CodigoMensagem=017'

Parameters to be defined at a later date, when the RE specifies its communication interfaces with the providers.

5.1.18 PN_Rejeicao

The donor provider or relinquishing provider uses this message to reject the porting request on the basis of one of the defined grounds of refusal.

PN_Rejeicao ::= 'CodigoMensagem=018'

PN_Rejeicao	To the RE	From the RE
DataHoraMensagem	(M)	(M)
NumeroOrdemER	(M)	(M)
IDprocesso	(M)	(M)
IDmensagem	N/A	(M)
IDmensagemAntecessora	(M)	(M)
NumeroOrdemPrestador	(M)	(M)
NumTotalPedidos	(M)	(M)
NumeroSequencial	(M)	(M)
IDdoador	N/A	(M)
IDdetentor	N/A	(M)
IDreceptor	N/A	(M)
TipoNumero	(M)	(M)
NumTelefonePrincipalPPCA	(O)	(O)
NumTelefoneInicial	(M)	(M)
NumTelefoneFinal	(M)	(M)
NRNactual	(M)	(M)

NRNnovo	(M)	(M)
InfoFacturacao	(O)	(O)
CodigoErro	(M)	(M)
DescricaoErro	(M)	(M)
Observacoes	(O)	(O)
Auxiliar1	(O)	(O)
Auxiliar2	(O)	(O)
Auxiliar3	(O)	(O)
Auxiliar4	(O)	(O)
Auxiliar5	(O)	(O)
Auxiliar6	(O)	(O)

5.1.19 PN_Error

O RE uses this message to report errors.

PN_Error ::= 'CodigoMensagem=019'

PN_Error	From the RE
DataHoraMensagem	(M)
NumeroOrdemER	(O)
IDprocesso	(M)
IDmensagemAntecessora	(M)
NumeroOrdemPrestador	(M)
NumTelefonePrincipalPPCA	(O)
NumTelefoneInicial	(M)
NumTelefoneFinal	(M)
NRNactual	(O)
NRNnovo	(O)
CodigoErro	(M)
DescricaoErro	(M)
Observacoes	(O)
Auxiliar1	(O)
Auxiliar2	(O)
Auxiliar3	(O)
Auxiliar4	(O)
Auxiliar5	(O)
Auxiliar6	(O)

5.2 Mapping between parameters and messages

Given that all messages pass by the RE, the notation X/Y is used to indicate the mandatory or optional parameters in the messages. X is the status of the parameter when sent to the RE, and Y is the status when sent by the RE.

Example: - / m signifies that the parameter is not to be sent by the provider to the RE, but instead must be sent by the RE to the provider.

Message Code	001	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019
Parameter	M																			
DataHoraMensagem	m/m	m/m	m/	m/	-/m	m/m	-/m	-/m	m/-	m/-	-/m	m/m	m/m	m/m	-/m	m/-	m/-	m/m	m/m	-/m
NumeroOrdemER	-/m	-/m	-/	-/	-/m	m/m	-/m	-/m	m/-	m/-	-/m	m/m	m/m	m/m	-/m	m/-	-/-		m/m	-/o
IDprocesso	-/m	-/m	-/	-/	-/m	m/m	-/m	-/m	m/-	-/-	-/m	m/m	-/m	m/m	-/m	m/-	-/-		m/m	-/m
IDmensagem	-/m	-/m	-/	-/	-/m	-/m	-/m	-/m	-/-	-/-	-/m	-/m	-/m	-/m	-/m	-/-	-/-		-/m	
IDmensagemAntecessora	-/m	-/m	-/	-/	-/m	m/m	-/m	-/m	m/-	-/-	-/m	m/m	-/m	m/m	-/-	m/-	-/-		m/m	-/m
NumeroOrdemPrestador	m/m	m/m	m/	m/	-/m	m/m	-/m	-/m	m/-	m/-	-/m	m/m	m/m	m/m			m/-		m/m	-/m
NumTotalPedidos	m/m	m/m				m/m					-/m								m/m	
NumeroSequencial	m/m	m/m				m/m					-/m								m/m	
IDdoador	-/m	-/m	-/			-/m	-/m				-/m						o/-		-/m	
IDdetentor	-/m	-/m	-/	-/		-/m	-/m	-/m		m/-	-/m						o/-		-/m	
IDreceptor	-/m	-/m				-/m			m/-		-/m						o/-		-/m	
NomeContactoReceptor	o/o	o/o				-/o					-/o									
TelefoneContactoReceptor	o/o	o/o				-/o					-/o									
FaxContactoReceptor	o/o	o/o				-/o					-/o									
EmailContactoReceptor	o/o	o/o				-/o					-/o									
NomeContactoDetentor						o/o					-/o									
TelefoneContactoDetentor						o/o					-/o									
FaxContactoDetentor						o/o					-/o									
EmailContactoDetentor						o/o					-/o									
NomeCliente	m/m	m/m																		
SIMcliente		m/m																		
MoradaCliente	m/m	o/o																		
LocalidadeCliente	m/m	o/o																		
CodPostalCliente	m/m	o/o																		
TipoDocIDcliente	o/o	o/o																		
DocIDcliente	o/o	o/o																		
TipoNumero	m/m	m/m		m/		-/m					-/m						o/-			
NumTelefonePrincipalPPCA	o/o	-/-	o/	o/		-/o	-/o	-/o			-/o			-/o					o/o	-/o
NumTelefoneInicial	m/m	m/m	m/	m/		-/m	-/m	-/m			-/m		-/m			o/-			m/m	-/m
NumTelefoneFinal	m/m	m/m	m/	m/		-/m	-/m	-/m			-/m		-/m			o/-			m/m	-/m
Facilidades	-/-	m/m																		
NRNactual	-/m	-/m	-/	-/		-/m	-/m	-/m			-/m		-/m				o/-		m/m	-/o
NRNnovo	m/m	m/m		m/		-/m		-/m			-/m		-/m						m/m	-/o
InfoFacturacao	o/o	o/o	o/	o/		-/o		-/o			-/o		-/o						o/o	-/o
DataHoraPortacao1	m/m	m/m																		
DataHoraPortacao2	m/m	m/m																		
DataHoraPortacao3	m/m	m/m																		
DataHoraPortacaoAcordada						m/m					-/m									
DataHoraAlteracaoNRN				m/				-/m												
AlteracaoUrgente				m/				-/m												
AccaoCoordenada	m/m	-/-																		
DataTerminacao			m/					-/m												
DataRetorno								-/m												
Listaprestadores												-/m		-/m						
TipoAccaoNRN								-/m	-/m			-/m								
CodigoErro	-/m	-/m																	m/m	-/m
DescricaoErro																			m/m	-/m
Observacoes	o/o	o/o	o/	o/		o/o	-/o	-/o			-/o		o/o						o/o	-/o
DataHoraInicial																		o/-		
DataHoraFinal																		o/-		
TipoRelatorioRequest																		o/-		
Auxiliar1	o/o	o/o	o/	o/		o/o	-/o	-/o			-/o		o/o						o/o	-/o
Auxiliar2	o/o	o/o	o/	o/		o/o	-/o	-/o			-/o		o/o						o/o	-/o

Auxiliar3	o/o	o/o	o/	o/		o/o	-/o	-/o			-/o		o/o					o/o	-/o
Auxiliar4	o/o	o/o	o/	o/		o/o	-/o	-/o			-/o		o/o					o/o	-/o
Auxiliar5	o/o	o/o	o/	o/		o/o	-/o	-/o			-/o		o/o					o/o	-/o
Auxiliar6	o/o	o/o	o/	o/		o/o	-/o	-/o			-/o		o/o					o/o	-/o

6 Message parameters

This section will be subsequently developed beyond the scope of the present document.

The text indicated in “Value(s)” in this chapter is assessed during the verification of the syntax, without taking into consideration the use of capital/small letters, i.e. the assessment of “FIXED” is identical to that of “fixed”.

6.1 DataHoraMensagem

Use:	Information on the date and hour when the message was created
Example:	DataHoraMensagem=20010607095000
Type:	Date Hour (AAAAMMDDhhmmss)
Length:	14 characters
Value(s):	
Notes:	

6.2 NumeroOrdemER

Use:	Unique sequential number issued by the RE to identify a flow.
Example:	NumeroOrdemER =00020033001234;
Type:	Numerical
Length:	14 characters
Value(s):	
Notes:	The NumeroOrdemER is never re-used and will be globally unique.

6.3 IDprocesso

Use:	Unique identifier of the process to which the message pertains.
Example:	IDprocesso =00020033002223
Type:	Numerical
Length:	14 characters
Value(s):	
Notes:	Defined by the RE.

6.4 IDmensagem

Use:	Unique identifier of the message by the RE.
Example:	IDmensagem =00020033000223
Type:	Numerical
Length:	14 characters
Value(s):	
Notes:	Defined by the RE.

6.5 IDmensagemAntecessora

Use:	Identifier of the message that gave rise to the present message.
Example:	IDmensagemAntecessora =00020033000323
Type:	Numerical

Length:	14 characters
Value(s):	
Notes:	

6.6 NumeroOrdemPrestador

Use:	Unique sequential number issued by the provider to identify a flow.
Example:	NumeroOrdemPrestador =07000001010123;
Type:	Numerical
Length:	14 characters
Value(s):	
Notes:	There cannot be two active flows with the same NumeroOrdemPrestador. The value of the NumeroOrdemPrestador remains unaltered throughout the flow.

6.7 NumTotalPedidos

Use:	Total number of individual requests that are integrated within a coherent request. For a simple request the value is 1.
Example:	NumTotalPedidos =4;
Type:	Numerical
Length:	5 digits
Value(s):	
Notes:	

6.8 NumeroSequencial

Use:	The sequential number of an individual request integrated within a coherent request. For a simple request the value is 1.
Example:	NumeroSequencial =3;
Type:	Numerical
Length:	5 digits
Value(s):	
Notes:	

6.9 IDdoador

Use:	Identification of the donor provider.
Example:	IDdoador =076;
Type:	Numerical
Length:	3 digits
Value(s):	
Notes:	

6.10 IDdetentor

Use:	Identification of the relinquishing provider.
Example:	IDdetentor =074;
Type:	Numerical
Length:	3 digits

Value(s):	
Notes:	

6.11 IDreceptor

Use:	Identification of the Recipient Provider.
Example:	IDreceptor =075;
Type:	Numerical
Length:	3 digits
Value(s):	
Notes:	

6.12 NomeContactoReceptor

Use:	Contact name in the RP.
Example:	NomeContactoReceptor =Jorge;
Type:	Alphanumeric
Length:	Maximum 30 characters
Value(s):	
Notes:	

6.13 TelefoneContactoReceptor

Use:	Contact telephone number in the RP.
Example:	TelefoneContactoReceptor =211234567;
Type:	Alphanumeric
Length:	Maximum 20 characters
Value(s):	
Notes:	

6.14 FaxContactoReceptor

Use:	Contact fax number in the RP.
Example:	FaxContactoReceptor =212345678.
Type:	Alphanumeric
Length:	Maximum 20 characters
Value(s):	
Notes:	

6.15 EmailContactoReceptor

Use:	Contact e-mail in the RP.
Example:	EmailContactoReceptor =Jose@RP.com;
Type:	Alphanumeric
Length:	Maximum 50 characters
Value(s):	
Notes:	

6.16 NomeContactoDetentor

Use:	Contact name in the ReP.
Example:	NomeContactoDetentor =Jorge;
Type:	Alphanumerical
Length:	Maximum 30 characters
Value(s):	
Notes:	

6.17 TelefoneContactoDetentor

Use:	Contact telephone number in the ReP.
Example:	TelefoneContactoDetentor =211234567;
Type:	Alphanumerical
Length:	Maximum 20 characters
Value(s):	
Notes:	

6.18 FaxContactoDetentor

Use:	Contact fax number in the ReP.
Example:	FaxContactoDetentor =212345678.
Type:	Alphanumerical
Length:	Maximum 20 characters
Value(s):	
Notes:	

6.19 EmailContactoDetentor

Use:	Contact e-mail in the ReP.
Example:	EmailContactoDetentor =Jose@RP.with;
Type:	Alphanumerical
Length:	Maximum 50 characters
Value(s):	
Notes:	

6.20 NomeCliente

Use:	Name of the Customer
Example:	NomeCliente =José Malhoa;
Type:	Alphanumerical
Length:	Maximum 50 characters
Value(s):	
Notes:	

6.21 SIMcliente

Use:	SIM card of the customer
Example:	

Type:	Numerical
Length:	20 digits
Value(s):	
Notes:	

6.22 MoradaCliente

Use:	Address of the customer
Example:	MoradaCliente =Avenida Liberdade, 345;
Type:	Alphanumeric
Length:	Maximum 60 characters
Value(s):	
Notes:	

6.23 LocalidadeCliente

Use:	Location of the customer
Example:	LocalidadeCliente =Lisboa;
Type:	Alphanumeric
Length:	Maximum 35 characters
Value(s):	
Notes:	

6.24 CodPostalCliente

Use:	Postcode of the customer
Example:	CodPostalCliente =1099-017 Lisboa;
Type:	Alphanumeric
Length:	Maximum 60 characters
Value(s):	
Notes:	

6.25 TipoDocIDcliente

Use:	Type of identification document of the customer
Example:	TipoDocIDcliente =3;
Type:	Numerical
Length:	2 characters
Value(s):	0=NIF 1=BI
Notes:	

6.26 DocIDcliente

Use:	Document of the customer
Example:	DocIDcliente =123456789;
Type:	Numerical
Length:	12 characters
Value(s):	
Notes:	

6.27 TipoNumero

Use:	Type of number
Example:	TipoNumero=01;
Type:	Numerical
Length:	2 digits
Value(s):	00=Fixed 01=Mobile 02=Non-geographic
Notes:	

6.28 NumTelefonePrincipalPPCA

Use:	Main telephone number of the PPCA
Example:	NumTelefonePrincipalPPCA =253434219;
Type:	Numerical
Length:	20 characters
Value(s):	
Notes:	

6.29 NumTelefoneInicial

Use:	Unique number or first number of a number range to be ported.
Example:	NumTelefoneInicial =253434200;
Type:	Numerical
Length:	20 characters
Value(s):	
Notes:	

6.30 NumTelefoneFinal

Use:	Unique number or last number of a number range to be ported.
Example:	NumTelefoneFinal =253434299;
Type:	Numerical
Length:	20 characters
Value(s):	
Notes:	When unique, is identical to the NumTelefoneInicial

6.31 Facilidades

Use:	Various.
Example:	Facilidades=001;
Type:	Numerical
Length:	3 digits
Value(s):	
Notes:	

6.32 NRNactual

Use:	Current information needed to achieve correct call routing.
Example:	NRNactual =D084101;
Type:	Alphanumeric
Length:	7 characters
Value(s):	
Notes:	

6.33 NRNnovo

Use:	Future information needed to achieve correct call routing.
Example:	NRNnovo =D089201;
Type:	Alphanumeric
Length:	7 characters
Value(s):	
Notes:	

6.34 InfoFacturacao

Use:	Special billing information due to portability.
Example:	InfoFacturacao=
Type:	Alphanumeric
Length:	Maximum 20 characters
Value(s):	
Notes:	

6.35 DataHoraPortacao1

Use:	Intermediate time of first porting window.
Example:	DataHoraPortacao1 =20010721153000;
Type:	Date Hour (AAAAMMDDhhmmss)
Length:	14 characters
Value(s):	hhmmss must take values 103000, 153000 or 193000
Notes:	

6.36 DataHoraPortacao2

Use:	Intermediate time of second porting window.
Example:	DataHoraPortacao2 =20010721103000;
Type:	Date Hour (AAAAMMDDhhmmss)
Length:	14 characters
Value(s):	hhmmss must take values 103000, 153000 or 193000
Notes:	

6.37 DataHoraPortacao3

Use:	Intermediate time of third porting window.
Example:	DataHoraPortacao3 =20010722103000;
Type:	Date Hour (AAAAMMDDhhmmss)

Length:	14 characters
Value(s):	hhmmss must take values 103000, 153000 or 193000
Notes:	

6.38 DataHoraPortacaoAcordada

Use:	Intermediate time of porting window agreed between the DP and RP.
Example:	DataHoraPortacaoAcordada =20010721153000;
Type:	Date Hour (AAAAMMDDhhmmss)
Length:	14 characters
Value(s):	hhmmss must take values 103000, 153000 or 193000
Notes:	

6.39 DataHoraAlteracaoNRN

Use:	Hour defined for alteration of the NRN.
Example:	DataHoraAlteracaoNRN=20010612010000;
Type:	Date Hour (AAAAMMDDhhmmss)
Length:	14 characters
Value(s):	
Notes:	

6.40 AlteracaoUrgente

Use:	Indication relative to the type of alteration of the NRN.
Example:	AlteracaoUrgente =1;
Type:	Numerical
Length:	1 character
Value(s):	0=Normal 1=Urgent
Notes:	AlteracaoUrgente=1 may only be used due to errors in the RDB.

6.41 AccaoCoordenada

Use:	Parameter indicating the need of coordination action between providers.
Example:	AccaoCoordenada =;
Type:	Alphanumeric
Length:	Maximum 35 characters
Value(s):	
Notes:	

6.42 DataTerminacao

Use:	Date of termination of the use of the number by the customer of the ReP.
Example:	DataTerminacao=20010807;
Type:	Date (AAAAMMDD)
Length:	8 characters
Value(s):	
Notes:	

6.43 DataRetorno

Use:	Date of return of the number to the DoP.
Example:	DataRetorno =20011108;
Type:	Date (AAAAMMDD)
Length:	8 characters
Value(s):	
Notes:	

6.44 Listaprestadores

Use:	List of providers that have confirmed an action
Example:	Listaprestadores=023,034,074,023;
Type:	Numerical values separated by commas
Length:	
Value(s):	
Notes:	

6.45 TipoAcaoNRN

Use:	Indicates the type of action relative to the NRNnovo.
Example:	TipoAcaoNRN=1;
Type:	Numerical
Length:	1
Value(s):	0=Remove 1=Create 2=Alter
Notes:	NRNactual does not exist => Create NRNactual and NRNnovo exist => Alter NRNnovo does not exist => Remove

6.46 CodigoErro

Use:	Error code submitted by the RE or by the DP.
Example:	CodigoErro=306;
Type:	Numerical
Length:	3 characters
Value(s):	
Notes:	

6.47 DescricaoErro

Use:	Description of the error.
Example:	DescricaoErro= ;
Type:	Alphanumeric
Length:	Maximum 100 characters
Value(s):	
Notes:	Information return on error.

6.48 Observacoes

Use:	Notes parameter used for tests or other purposes.
Example:	Observacoes =This is a test message;
Type:	Alphanumeric
Length:	Maximum 256 characters
Value(s):	
Notes:	

6.49 DataHoraInicial

Use:	Start date and time used for the generation of reports
Example:	DataHoraInicial =20010923140000;
Type:	Date Hour (AAAAMMDDhhmmss)
Length:	14 Characters
Value(s):	
Notes:	

6.50 DataHoraFinal

Use:	End date and time used for the generation of reports
Example:	DataHoraFinal =20010928140000;
Type:	Date Hour (AAAAMMDDhhmmss)
Length:	14 Characters
Value(s):	
Notes:	

6.51 TipoRelatorioRequest

Use:	Type de report requested from the RE
Example:	TipoRelatorioRequest =005;
Type:	Numerical
Length:	3 Characters
Value(s):	
Notes:	To be defined

6.52 Auxiliar1

Use:	For future use
Example:	Auxiliar1=
Type:	Alphanumeric
Length:	Maximum 256 characters
Value(s):	
Notes:	

6.53 Auxiliary2

Use:	For future use
Example:	Auxiliar2=
Type:	Alphanumeric
Length:	Maximum 256 characters
Value(s):	
Notes:	

6.54 Auxiliary3

Use:	For future use
Example:	Auxiliar3=
Type:	Alphanumeric
Length:	Maximum 256 characters
Value(s):	
Notes:	

6.55 Auxiliary4

Use:	For future use
Example:	Auxiliar4=
Type:	Alphanumeric
Length:	Maximum 256 characters
Value(s):	
Notes:	

6.56 Auxiliar5

Use:	For future use
Example:	Auxiliar5=
Type:	Alphanumeric
Length:	Maximum 256 characters
Value(s):	
Notes:	

6.57 Auxiliar6

Use:	For future use
Example:	Auxiliar6=
Type:	Alphanumeric
Length:	Maximum 256 characters
Value(s):	
Notes:	

7 Error handling

This section will be subsequently developed beyond the scope of the present document.

7.1 Error codes

Code	Description	RE	Fixed	Mobile
	Format and syntax errors			
100	Missing semi-colon in line	✓		
101	Missing parameter	✓		
102	Parameter is present more than once	✓		
103	Content of parameter is invalid	✓		
104	Missing content of parameter	✓		
105	Content of parameter is not exclusive	✓		
106	The telephone number does not pertain to a valid block	✓		
107	Content of the parameter is too long	✓		
108	Index value is invalid	✓		
109	Reserved for future use			
110	Reserved for future use			
111	Reserved for future use			
112	Reserved for future use			
	Process and flow errors			
200	The telephone number is present in another active flow	✓		
201	The value of the message counter does not correspond to the number of messages	✓		
202	PN_ActualizacaoConcluida received before agreed porting window	✓		
203	PN_ActualizacaoConcluida received after agreed porting window	✓		
204	NumeroOrdemER is in use in another flow	✓		
205	ID of the provider does not exist	✓		
206	NumeroOrdemPrestador unknown	✓		
207	Received duplicated confirmation	✓		
208	NumeroOrdemER does not exist	✓		
209	NumeroOrdemER pertains to a flow that has already terminated	✓		
210	The telephone number is not part of the flow corresponding to the NumeroOrdemER	✓		
211	NumeroOrdemER and IDprocesso do not correspond	✓		
212	NumeroOrdemPrestador altered during flow	✓		
213	NumeroOrdemPrestador is in use in another active flow	✓		
214	The IDprocesso does not correspond to the IDprocesso in the previous message from the RE	✓		
215	The last telephone number is lower than the first telephone number	✓		
216	IDdetentor or IDdoador and telephone number do not correspond	✓		
217	IDdetentor and telephone number do not correspond	✓		

218	The date is before the present date	✓		
219	DataHoraPortacaoAcordada is before the first chronological DataHoraPortacao	✓		
220	DataHoraPortacaoAcordada is after the last chronological DataHoraPortacao	✓		
221	Porting request outside valid porting window	✓		
222	Number range must correspond to number range in previous message (e.g. <PN_RequestPortabilidade>)	✓		
223	NRN unknown	✓		
224	Telephone number not attributed to the DoP	✓		
225	<PN_ConfRequestPortabilidade> does not correspond to a <PN_RequestPortabilidade> - no <PN_RequestPortabilidade> found	✓		
226	<PN_Conclusao> does not correspond to a <PN_RequestPortabilidade> - no <PN_RequestPortabilidade> found	✓		
227	<PN_Conclusao> does not correspond to a <PN_ConfRequestPortabilidade > - no <PN_ConfRequestPortabilidade > found	✓		
228	<PN_Conclusao> received in duplicate	✓		
229	<PN_ActualizacaoConcluida> does not correspond to a <PN_Actualizacao>	✓		
230	Parameter cannot be present	✓		
231	Porting request submitted in less than T4 working days, in relation to the first desired porting window	✓		
232	Porting request submitted in less than T4M working days, in relation to the first desired porting window	✓		
233	Porting request submitted in more than T5 working days, in relation to the first desired porting window	✓		
234	PN_ConfRequestPortabilidade not responded within T3	✓		
235	Cancellation of porting request requested after T9 before DataHoraPortacaoAcordada	✓		
236	Cancellation of alteration of NRN requested after T13 before DataHoraAlteracaoNRN	✓		
237	Provider not authorised (e.g. to request information)	✓		
238	Coherent request not fully received within T2 => rejection.	✓	✓	
239	Reserved for future use			
240	Reserved for future use			
241	Reserved for future use			
242	Reserved for future use			
243	Reserved for future use			
244	Reserved for future use			
	Grounds of Rejection			
300	Ownership/Identification does not correspond (not applicable to non-identified pre-paid numbers)		✓	✓
301	Lacks rescission/alteration of contract		✓	✓
302	Number is inactive in DP (excluding quarantine period)		✓	✓
303	Address does not correspond to installation address (only for geographic numbers)		✓	
304	Number alteration request pending		✓	✓
305	National security issues		✓	✓
306	SIM does not exist			✓
307	SIM does not correspond to MSISDN			✓

308	SIM lost/missing			✓
309	Number in reserve period		✓	✓
310	Number may not be ported (DP is obliged to make this explicit in the parameter, Observacoes)		✓	✓
311	Reserved for future use			
312	Reserved for future use			
313	Reserved for future use			
314	Reserved for future use			
315	Reserved for future use			