



Single IMSI Provisioning Interface

Version 1.0

27 November 2013

This is a Binding Permanent Reference Document of the GSMA

Security Classification: Non-confidential

Access to and distribution of this document is restricted to the persons permitted by the security classification. This document is confidential to the Association and is subject to copyright protection. This document is to be used only for the purposes for which it has been supplied and information contained in it must not be disclosed or in any other way made available, in whole or in part, to persons other than those permitted under the security classification without the prior written approval of the Association.

Copyright Notice

Copyright © 2013 GSM Association

Disclaimer

The GSM Association ("Association") makes no representation, warranty or undertaking (express or implied) with respect to and does not accept any responsibility for, and hereby disclaims liability for the accuracy or completeness or timeliness of the information contained in this document. The information contained in this document may be subject to change without prior notice.

Antitrust Notice

The information contained herein is in full compliance with the GSM Association's antitrust compliance policy.

Table of Contents

1	Introduction	4
1.1	Overview	4
1.2	Scope	4
1.3	Definitions	4
1.4	Abbreviations	4
1.5	References	4
1.6	Conventions	5
2	Assumptions	5
3	Processes with interaction between DSP and ARP	5
3.1	Single IMSI	5
3.1.1	Relationship between DSP and ARP	5
3.1.2	Service Activation by the Customer	5
3.1.3	Customer Service query responsibilities	8
3.1.4	Customer is issued a bill	8
3.1.5	Customer Changes Signalling Status (Customer Changes Billing Basis)	9
3.1.6	Bill-shock measures	10
3.1.7	Fraud Management and Prevention	10
3.1.8	Service DeActivation initiated by the Customer	13
3.1.9	Service DeActivation initiated by the ARP	14
3.1.10	Service DeActivation initiated by the DSP	15
3.1.11	Suspension and Termination of contract between DSP and ARP	15
4	Operation Description	16
4.1	Single IMSI	16
4.1.1	AcK	16
4.1.2	PreProvisioningRequest	16
4.1.3	PreProvisioningRequestAcknowledgement	17
4.1.4	ProvisioningRequest	17
4.1.5	ProvisioningCompletion	18
4.1.6	PreProvisioningCompletion	19
4.1.7	ReProvisioningRequest	20
4.1.8	ReProvisioningCompletion	20
4.1.9	ReProvisioningNotification	21
4.1.10	ReProvisioningAcknowledgement	22
4.1.11	SuspendRoaming	23
4.1.12	RoamingSuspended	23
4.1.13	UnSuspendRoaming	24
4.1.14	RoamingUnSuspended	25
4.1.15	DeProvisioningRequest	25
4.1.16	DeProvisioningAcknowledgement	26
4.1.17	DeProvisioningCompletion	27
5	Parameters Definitions	29
6	Testing Procedure	48

7	Release Management	48
8	Security	48
	Document Management	49
	Document History	49
	Other Information	49

1 Introduction

1.1 Overview

This document defines the requirements for the Single IMSI Provisioning Interface (SI-IF7) between the DSP and ARP.

1.2 Scope

The scope of the document is to define the requirements for the OMA API definitions.

1.3 Definitions

Term	Description
Calls	All call events defined for the applicable format (for example TAP, NRTRDE)

1.4 Abbreviations

Term	Description
API	Application Protocol Interface
ARP	Alternative Roaming Provider
CRM	Client Relationship Management
DSP	Domestic Service Provider
ICCID	Integrated Circuit Card Identifier
IMSI	International Mobile Subscriber Identity
LBO	Local BreakOut
MNP	Mobile Number Portability
MSISDN	Mobile Station International Subscriber Directory Number
REST	REpresentational State Transfer
SOAP	Simple Object Access Protocol
UICC	<i>Universal Integrated Circuit Card</i>

1.5 References

Ref	Doc Number	Title
[1]	531/2012	Regulation (EU) No 531/2012 of the European Parliament and the Council of 13 June 2012 on roaming on public mobile communications networks within the Union
[2]	1203/2012	Regulations, Commission Implementing Regulation (EU) No 1203/2012 of 14 December 2012 on the separate sale of regulated roaming services within the Union
[3]	BoR (12) 68	ROAMING REGULATION - CHOICE OF DECOUPLING METHOD: A consultation to assist BEREC in preparing advice to the Commission on its forthcoming Implementing Act, June 2012, 72 pages.
[4]	BoR (12) 109	ROAMING REGULATION - CHOICE OF DECOUPLING METHOD, BEREC opinion on article 5 implementing act, 27 Sept 2012, 7 pages

Ref	Doc Number	Title
[5]		High Level Technical specifications. V1.0
[6]		Processes v1.0
[7]	RFC 2119	"Key words for use in RFCs to Indicate Requirement Levels", S. Bradner, March 1997. Available at http://www.ietf.org/rfc/rfc2119.txt

1.6 Conventions

The key words "must", "must not", "required", "shall", "shall not", "should", "should not", "recommended", "may", and "optional" in this document are to be interpreted as described in RFC 2119 [7].

2 Assumptions

It is possible that an individual subscriber may hold a roaming contract with more than one ARP for Single IMSI service at any one time. However, a subscriber can only have one **active** ARP subscription at any time.

It is possible that an ARP would like to activate more than one subscription at a time. It is assumed that the ARP will send one activation request for each subscription separately.

In case of a batch activation request, it is possible that the DSP is not able to activate all of them within 1 working day. A maximum number of requests that can be activated within the standard timescale will be defined.

All messages are acknowledged with an implicit synchronous acknowledgement message. This message is not shown in diagrams but is described in 4.1.1.

IF7 APIs can be implemented using either the REST or SOAP protocols. The choice of the one that will be used to connect a DSP with an ARP is a DSP option. This means the ARP may have to implement both protocols in order to be able to connect to two or more DSPs (if they are not using the same option).

Red arrows on the following diagrams indicate the interactions that are in scope of this specification. Black arrows are out of the scope of SI-IF7.

3 Processes with interaction between DSP and ARP

For a detailed process description refer to [6][5].

3.1 Single IMSI

3.1.1 Relationship between DSP and ARP

This process is out of scope of this document because it doesn't require interactions between DSP and ARP.

3.1.2 Service Activation by the Customer

The Activation Process could include a verification phase performed by DSP in order to understand whether the customer is eligible or not for an ARP Subscription. This verification is out of the scope of this document and can be different from one country to another, depending on local regulation enforcement.

Scenario 1 - Activation: Activation with swap between two ARPs

This process applies when a customer requires an ARP subscription having another one active and the Donor ARP **can't** stop the process

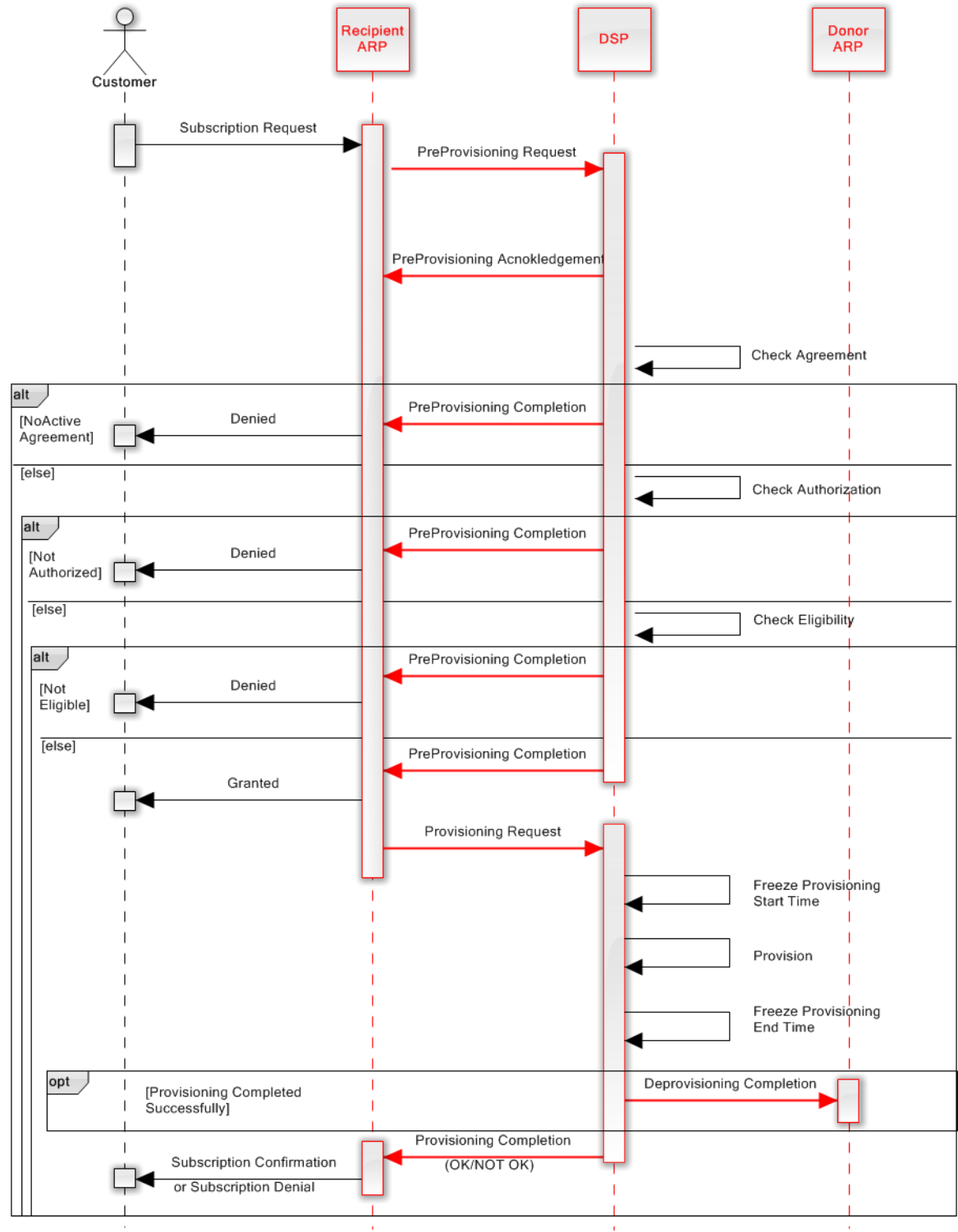


Figure 1: Activation: Activation with swap between two ARPs

Scenario 2 - Change from Domestic Service Provider to Alternative Roaming Provider

This process applies when a customer requires an ARP subscription without having another one active.

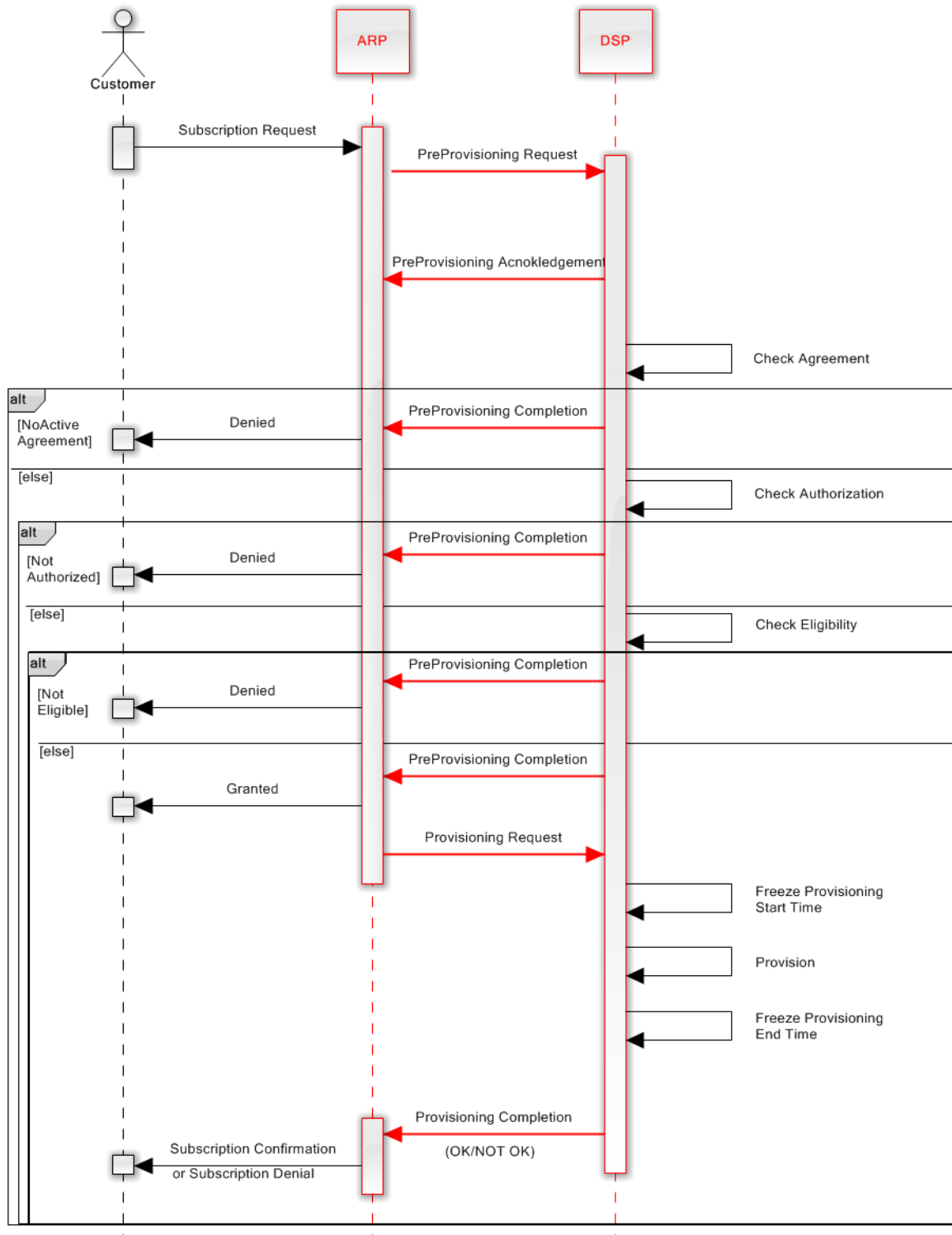


Figure 2: Change from Domestic Service Provider to Alternative Roaming Provider

Scenario 3 - Activation: Change from Alternative Roaming Provider to Domestic Service Provider

This process applies when a customer wants to migrate back from an ARP subscription to a DSP offer.

This scenario is equivalent to a De-Activation.

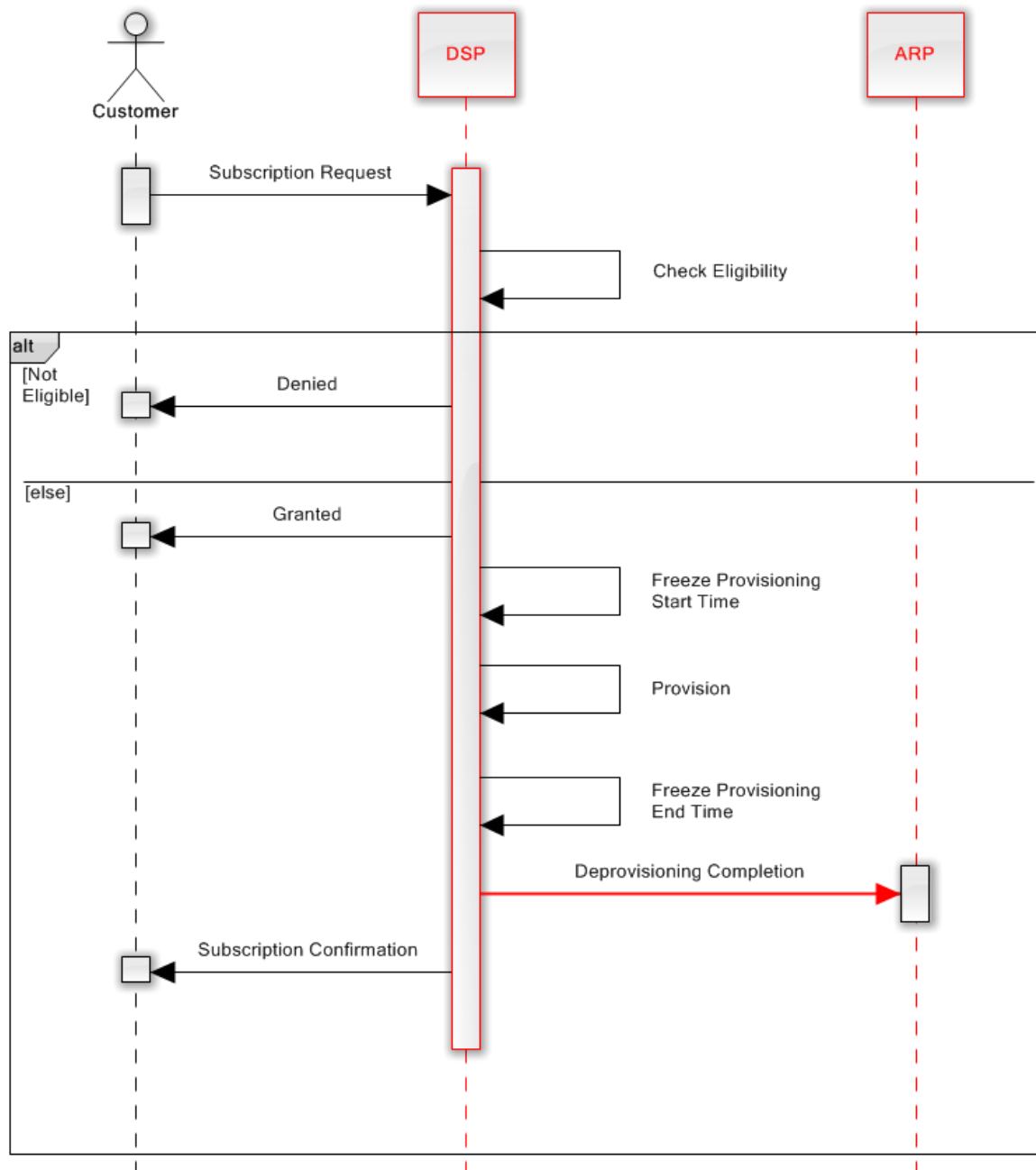


Figure 3: Activation: Change from Alternative Roaming Provider to Domestic Service Provider

3.1.3 Customer Service query responsibilities

This process is out of scope of the document because it doesn't require interactions between DSP and ARP.

3.1.4 Customer is issued a bill

This process is out of scope of this document because it doesn't require interactions between DSP and ARP.

3.1.5 Customer Changes Signalling Status (Customer Changes Billing Basis)

Scenario 1 – Change of Subscriber Contract at the ARP.

This process applies when an ARP customer wants to change its charge method (prepaid/postpaid).

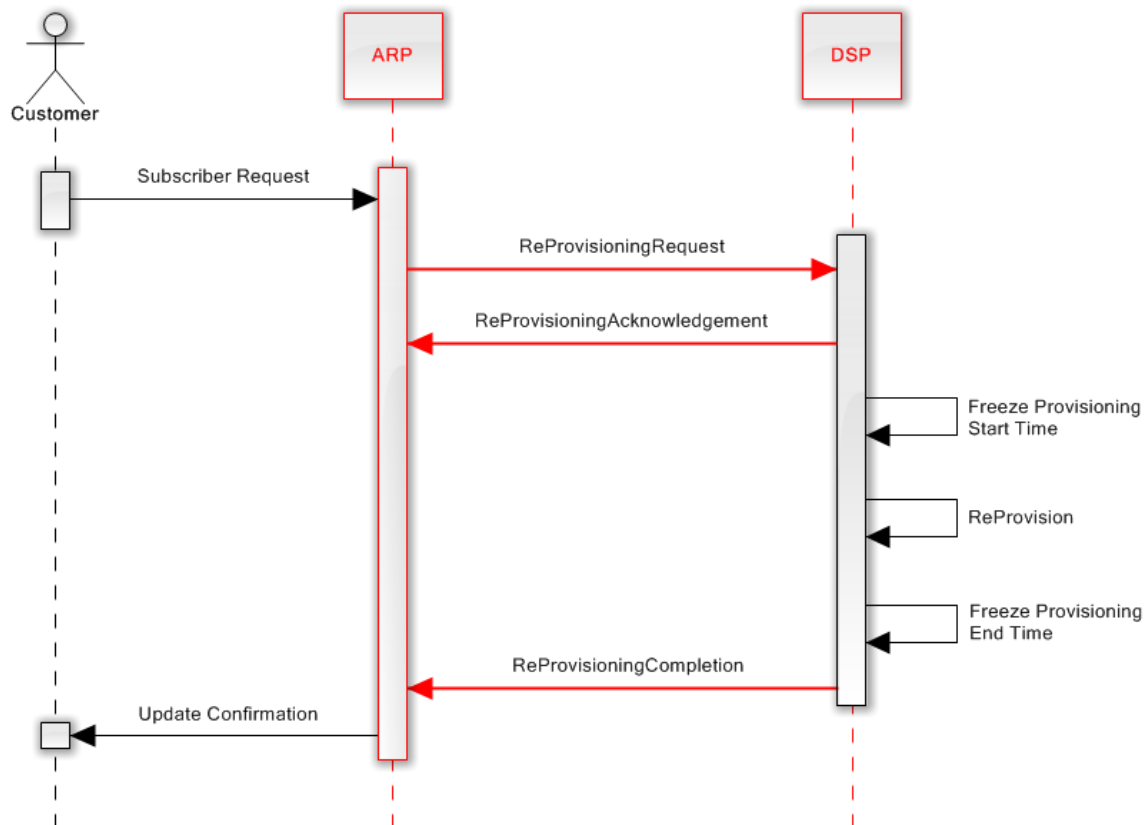


Figure 4: Change of Subscriber Contract at the ARP

Scenario 2 – Change of Billing Interface used for a subscriber from DSP to ARP

This process applies when DSP changes the billing interface for an ARP customer.

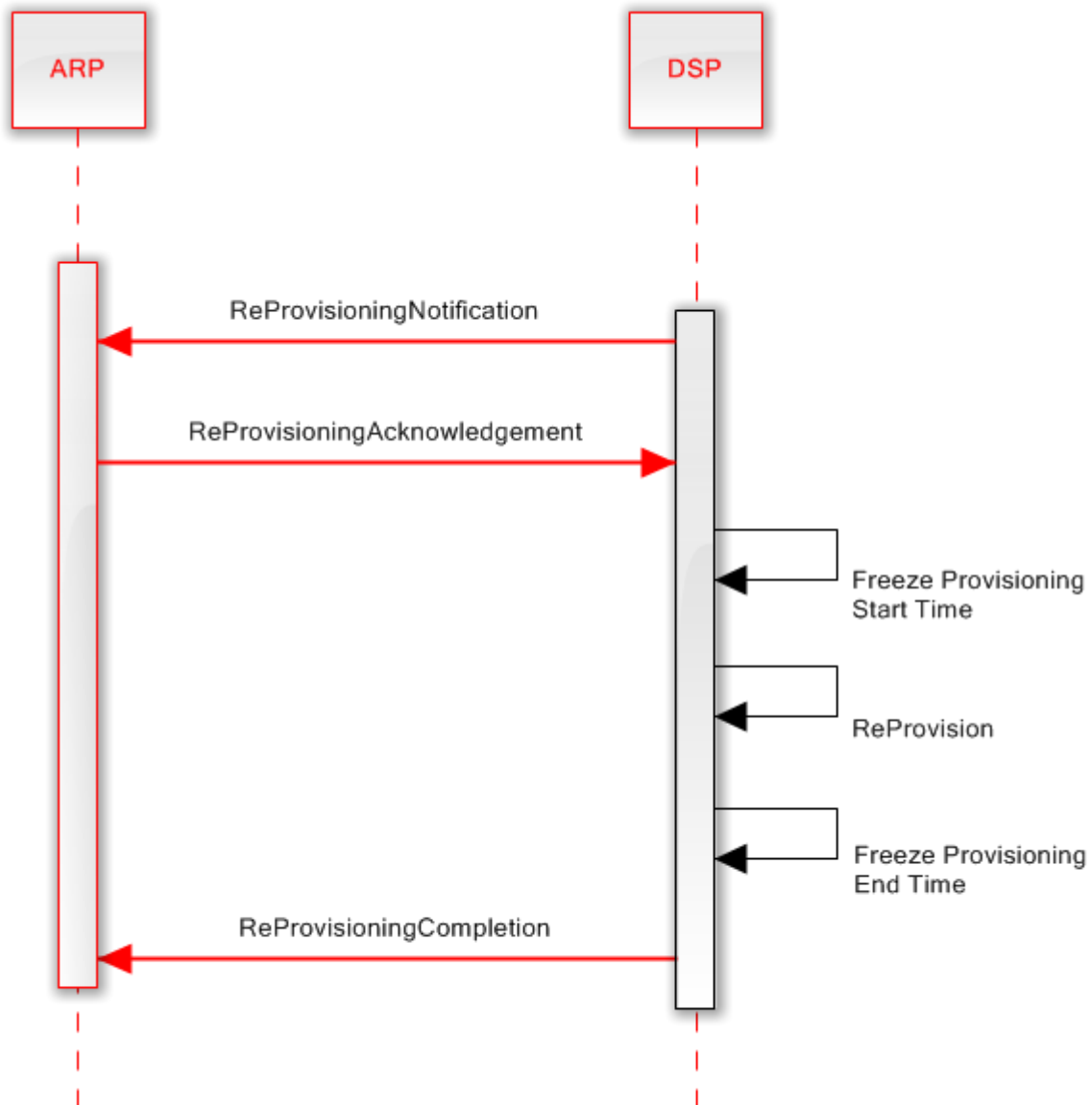


Figure 5: Change of Billing Interface used for a subscriber from DSP to ARP

3.1.6 Bill-shock measures

This process is out of scope of this document because it doesn't require interactions between DSP and ARP.

3.1.7 Fraud Management and Prevention

Scenario 1 – Process Flow with NRTRDE

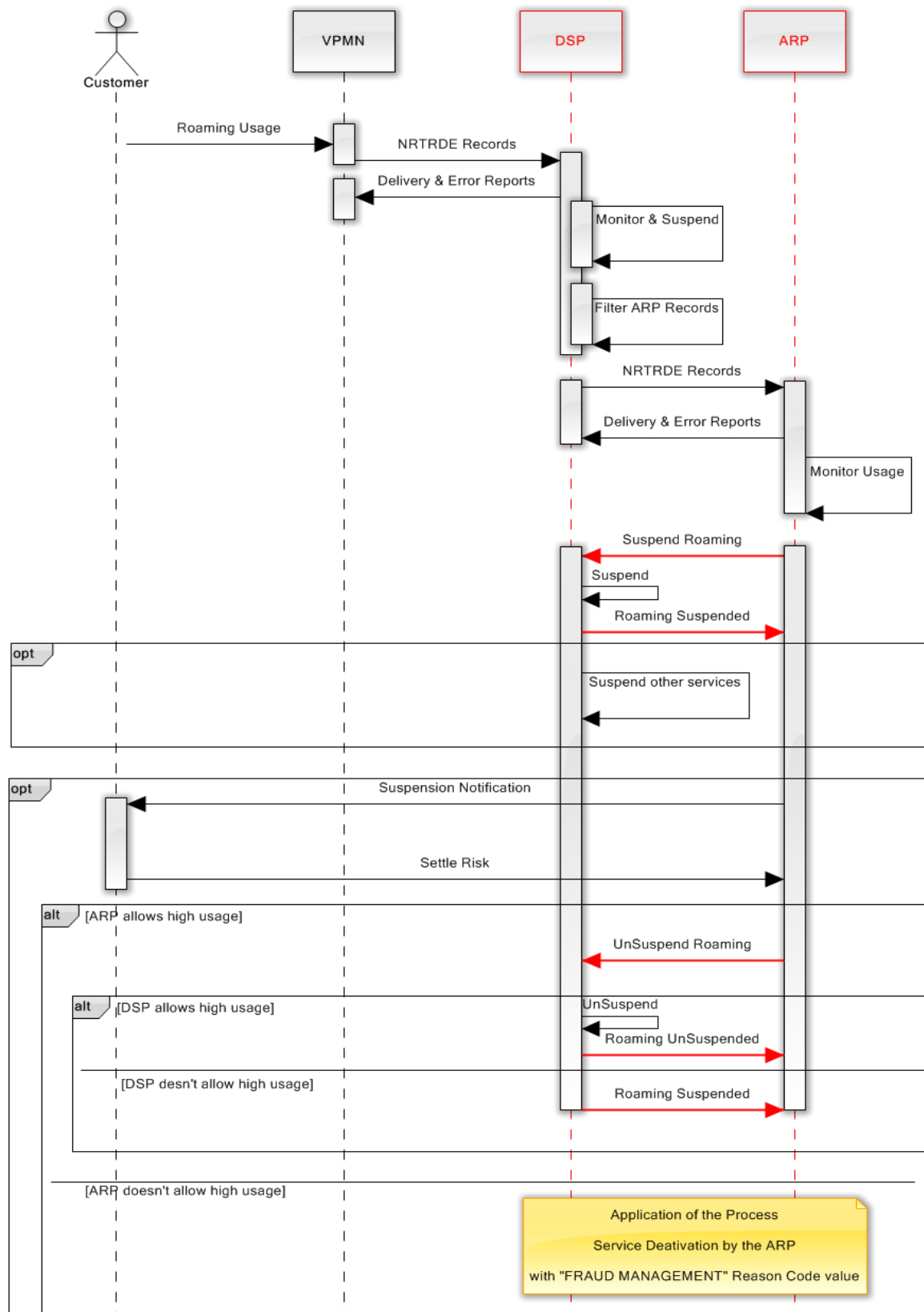


Figure 6: Process Flow with NRTRDE

Scenario 2 – Process Flow with OnLine Interface

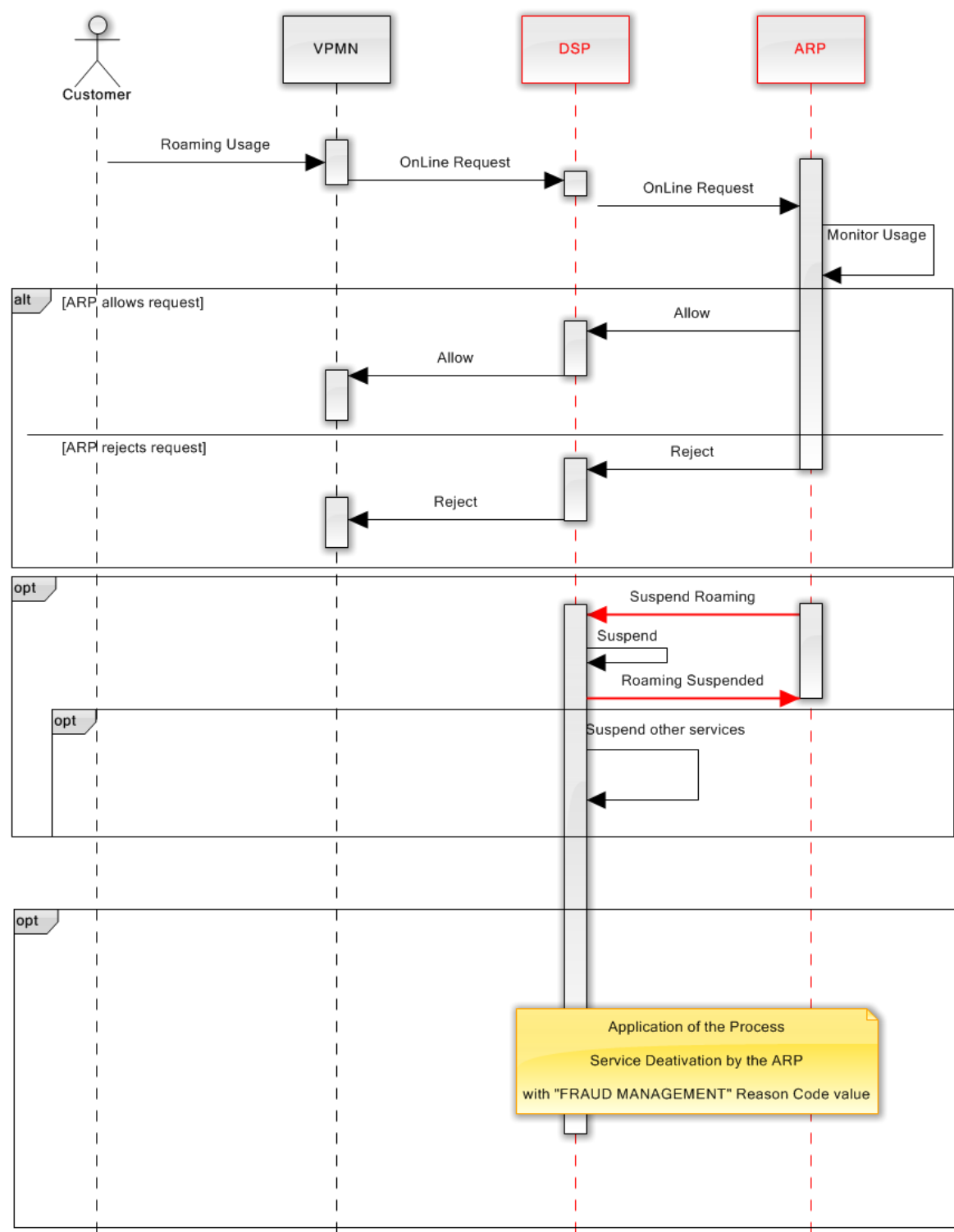


Figure 7: Process Flow with OnLine Interface

3.1.8 Service DeActivation initiated by the Customer

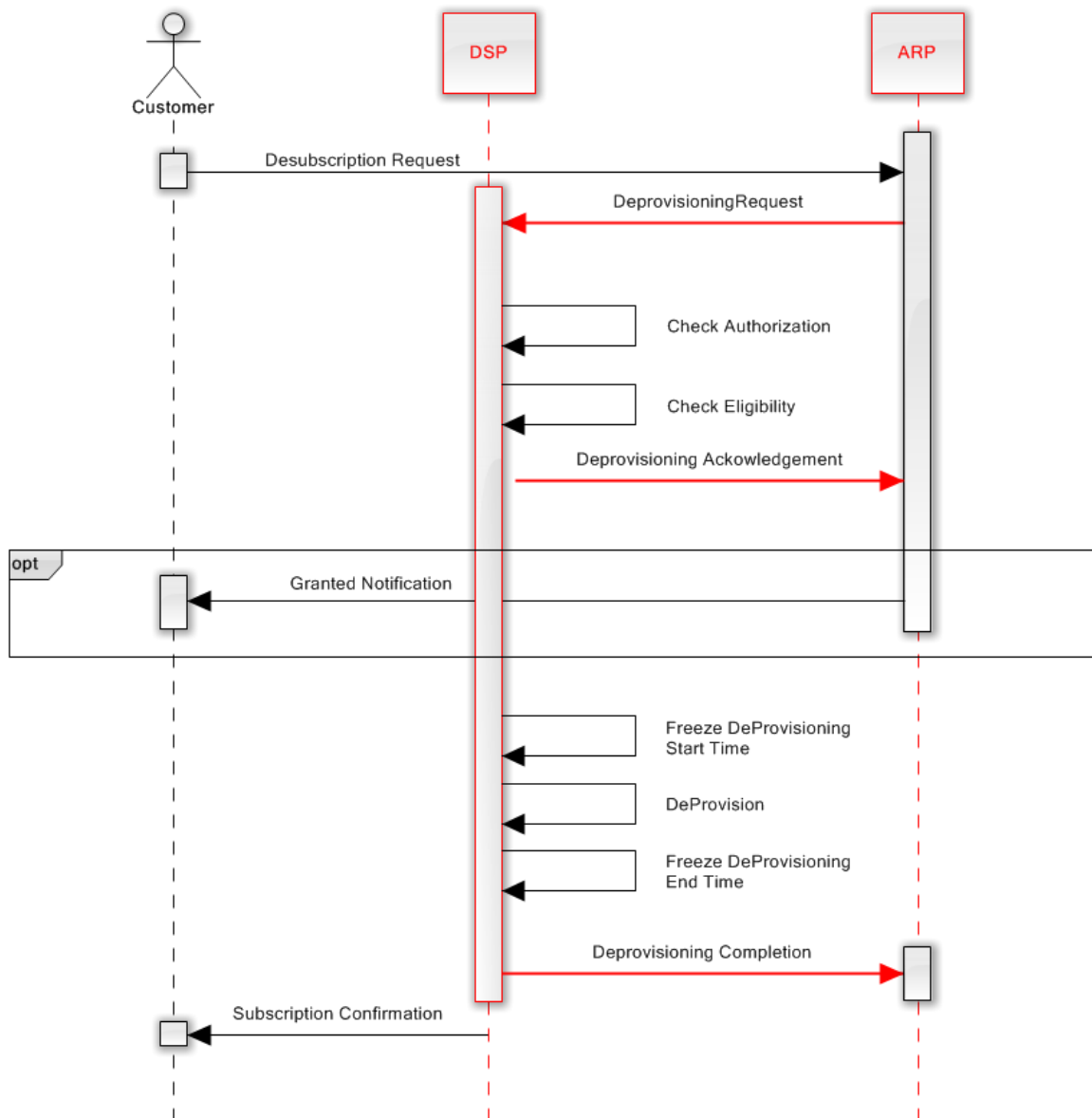


Figure 8: Service DeActivation initiated by the Customer

3.1.9 Service DeActivation initiated by the ARP

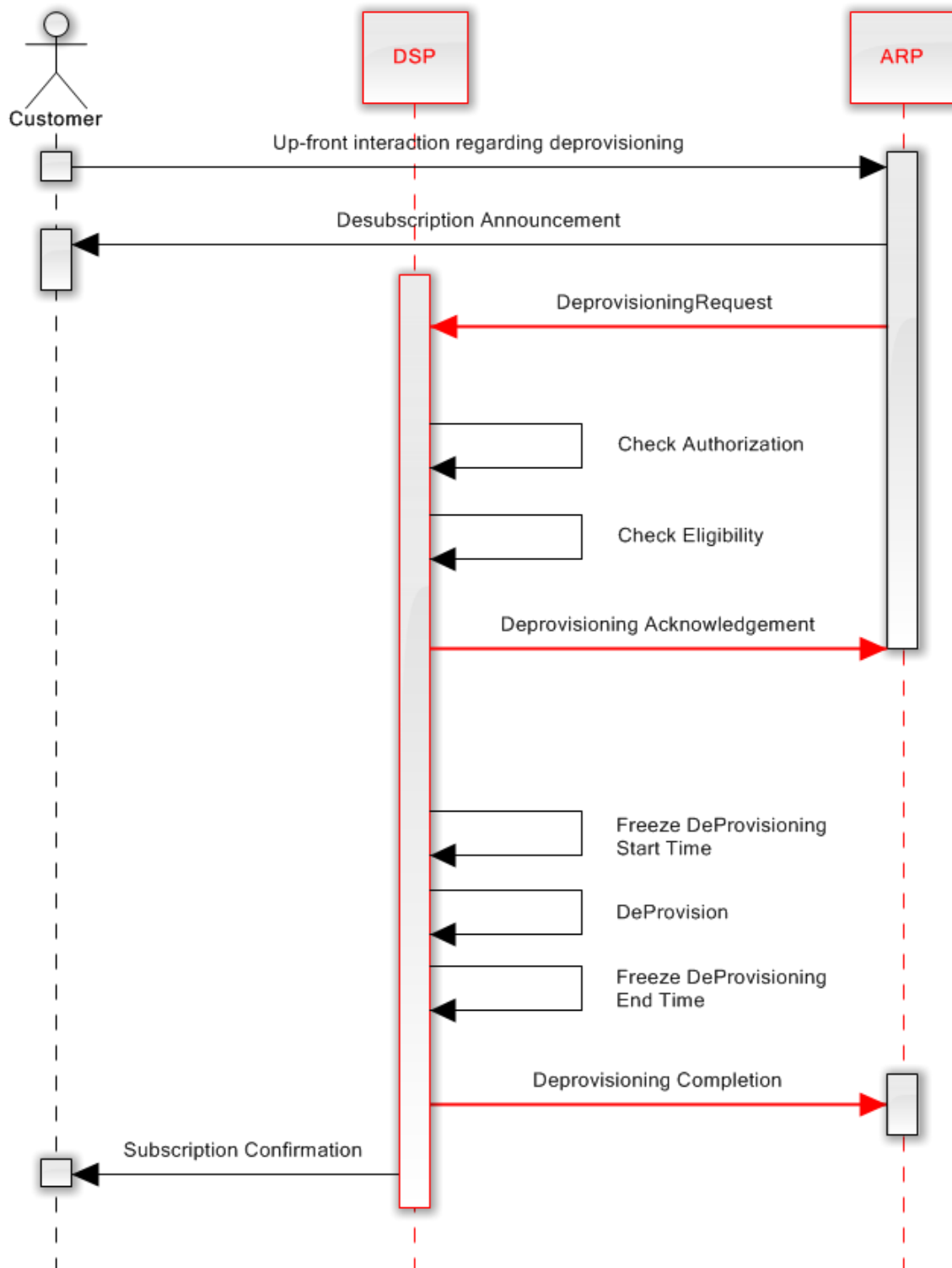


Figure 9: Service DeActivation initiated by the ARP

3.1.10 Service DeActivation initiated by the DSP

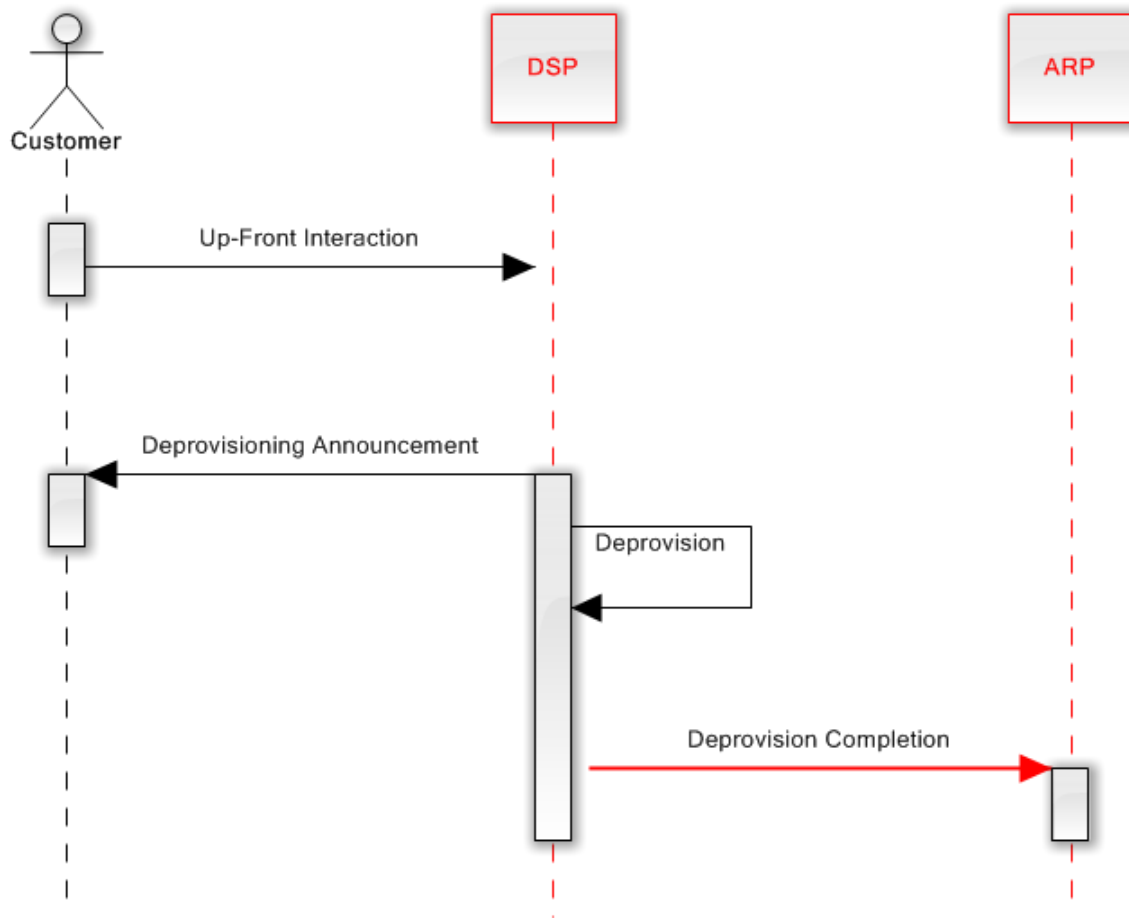


Figure 10: Service DeActivation initiated by the DSP

3.1.10.1 Customer ports out via MNP during Single IMSI ARP contract

The MNP opt-out process implies that DSP will deactivate the ARP subscription during the MNP procedure.

This means that the “*Service DeActivation initiated by DSP*” process, described in 3.1.10 will be used.

3.1.10.2 Customer changes MSISDN and/or IMSI during Single IMSI ARP contract

The change of MSISDN/IMSI implies that DSP will deactivate the ARP subscription during the change procedure.

This means that the “*Service DeActivation initiated by DSP*” process, described in 3.1.10 will be used.

The Customer will start a new Activation Process in order to set up a new subscription with new identifier.

3.1.11 Suspension and Termination of contract between DSP and ARP

DSP and ARP can decide to suspend or deactivate their agreement, or one of the parties could decide unilaterally to do it under conditions defined by the bilateral agreement.

If such a situation occurs, all customer subscriptions will be deactivated and roaming service will fall back to being provided by the DSP.

A message, similar to the DeProvisioningAnnouncement should be sent by the ARP to all customers affected to inform them of the deactivation of their ARP contract.

4 Operation Description

4.1 Single IMSI

4.1.1 AcK

This is the synchronous acknowledge.

4.1.2 PreProvisioningRequest

This service is used by ARP to ask DSP to activate an ARP subscription.

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
ARP	TADIG Code of the ARP requesting the PreProvisioning operation
User Identifier	Array of parameters that identify the User (MSISDN, IMSI, ICCID)
ARP Signalling Status	Code that identifies the proposed signalling type of the ARP Subscription (OnLine/OffLine)
Authorization Information	Array of parameters used to transfer any information useful for Authorization Process
Transaction Id	<p>Unique Code that identifies all messages exchanged within the same process.</p> <p>The code is generated by ARP (or DSP in specific cases, when the process is started by DSP) and identifies all messages exchanged between ARP and DSP and related to the same process.</p> <p>For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest, ProvisioningCompletion) will contain the same TransactionId</p>
Bilateral Information	<p>Optional field bilaterally agreed that is beyond the scope of SI-IF7.</p> <p>This content is defined by bilateral agreement and may vary according to the context</p>

Table 1: PreProvisioningRequest

Processes:

Service Activation by the customer – Scenario 1

Service Activation by the customer – Scenario 2

4.1.3 PreProvisioningRequestAcknowledgement

This service is used by DSP to confirm to ARP that the PreProvisioningRequest has been taken on.

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
Subscription Id	Unique Code that identifies the customer subscription
Request Arrival Time	Date and Time of when the provisioning request arrived to DSP
Transaction Id	<p>Unique Code that identifies all messages exchanged within the same process.</p> <p>The code is generated by ARP (or DSP in specific cases, when the process is started by DSP) and identifies all messages exchanged between ARP and DSP and related to the same process.</p> <p>For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest, ProvisioningCompletion) will contain the same TransactionId</p>
Bilateral Information	<p>Optional field bilaterally agreed that is beyond the scope of SI-IF7.</p> <p>This content is defined by bilateral agreement and may vary according to the context</p>

Table 2: PreProvisioningRequestAcknowledgement

Processes:

Service Activation by the customer – Scenario 1

Service Activation by the customer – Scenario 2

4.1.4 ProvisioningRequest

This service is used by ARP to confirm to DSP that internal activities have been concluded and the activation can start on DSP side.

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
Subscription Id	Unique Code that identifies the ARP Subscription
Transaction Id	<p>Unique Code that identifies all messages exchanged within the same process.</p> <p>The code is generated by ARP (or DSP in specific cases, when the process is started by DSP) and identifies all messages exchanged between ARP and DSP and related to the same process.</p>

	For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest, ProvisioningCompletion) will contain the same TransactionId
Bilateral Information	Optional field bilaterally agreed that is beyond the scope of SI-IF7. This content is defined by bilateral agreement and may vary according to the context

Table 3: ProvisioningRequest

Processes:

Service Activation by the customer – Scenario 1

Service Activation by the customer – Scenario 2

4.1.5 ProvisioningCompletion

This service is used by DSP to notify the result of an activation request of an ARP subscription.

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
Provisioning Start Time	Date and Time of when the provisioning procedure started
Provisioning End Time	Date and Time of when the provisioning procedure ended
Subscription Id	Unique Code that identifies the ARP Subscription
Notification Code	Identification code of the result of the activation
Notification Description	Description of the result
Transaction Id	Unique Code that identifies all messages exchanged within the same process. The code is generated by ARP (or DSP in specific cases, when the process is started by DSP) and identifies all messages exchanged between ARP and DSP and related to the same process. For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest, ProvisioningCompletion) will contain the same TransactionId
Bilateral Information	Optional field bilaterally agreed that is beyond the scope of SI-IF7. This content is defined by bilateral agreement and may vary

	according to the context
--	--------------------------

Table 4: ProvisioningCompletion

Processes:

Service Activation by the customer – Scenario 1

Service Activation by the customer – Scenario 2

4.1.6 PreProvisioningCompletion

This service is used by DSP to notify ARP if the customer can be provisioned or not

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
InterfaceProvider	Array of parameters that identify the provider for each interface (IF1, IF2, IF3 ...)
Subscription Id	Unique Code that identifies the ARP Subscription
User Identifier	Array of parameters that identify the User (MSISDN, IMSI, ICCID)
Notification Code	Identification code of the result of the activation
Notification Description	Description of the result
ARP Signalling Status	Code that Identifies the Signalling (OnLine/OffLine) to be used by ARP
Transaction Id	<p>Unique Code that identifies all messages exchanged within the same process.</p> <p>The code is generated by ARP (or DSP in specific cases, when the process is started by DSP) and identifies all messages exchanged between ARP and DSP and related to the same process.</p> <p>For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest, ProvisioningCompletion) will contain the same TransactionId</p>
Bilateral Information	<p>Optional field bilaterally agreed that is beyond the scope of SI-IF7.</p> <p>This content is defined by bilateral agreement and may vary according to the context</p>

Table 5: PreProvisioningCompletion

Processes:

Service Activation by the customer – Scenario 1

Service Activation by the customer – Scenario 2

4.1.7 ReProvisioningRequest

This service is used by ARP to request to DSP to change the customer charge type at ARP (online/offline).

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
Subscription Id	Unique Code that identifies the ARP Subscription
OLD ARP Signalling Status	Code that Identifies the OLD Signalling Status of the ARP Subscription (OnLine/OffLine)
NEW ARP Signalling Status	Code that Identifies the NEW Signalling Status of the ARP Subscription (OnLine/OffLine)
Transaction Id	<p>Unique Code that identifies all messages exchanged within the same process.</p> <p>The code is generated by ARP (or DSP in specific cases, when the process is started by DSP) and identifies all messages exchanged between ARP and DSP and related to the same process.</p> <p>For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest, ProvisioningCompletion) will contain the same TransactionId</p>
Bilateral Information	<p>Optional field bilaterally agreed that is beyond the scope of SI-IF7.</p> <p>This content is defined by bilateral agreement and may vary according to the context</p>

Table 6: ReProvisioningRequest

Processes:

Customer changes Signalling Status

4.1.8 ReProvisioningCompletion

This service is used by DSP to confirm to ARP that the customer charge type at ARP (online/offline) has been changed.

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
InterfaceProvider	Array of parameters that identify the provider for each interface (IF1, IF2, IF3 ...)
Subscription Id	Unique Code that identifies the ARP Subscription

Change Start Time	Date and Time of when the change procedure started
Change End Time	Date and Time of when the change procedure ended
Transaction Id	<p>Unique Code that identifies all messages exchanged within the same process.</p> <p>The code is generated by ARP (or DSP in specific cases, when the process is started by DSP) and identifies all messages exchanged between ARP and DSP and related to the same process.</p> <p>For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest, ProvisioningCompletion) will contain the same TransactionId</p>
ARP Signalling Status	Code that Identifies the Signalling (OnLine/OffLine) to be used by ARP
Bilateral Information	<p>Optional field bilaterally agreed that is beyond the scope of SI-IF7.</p> <p>This content is defined by bilateral agreement and may vary according to the context</p>

Table 7: ReProvisioningCompletion

Processes:

Customer changes Signalling Status

4.1.9 ReProvisioningNotification

This service is used by DSP to inform ARP that a ReProvisioning process has been started.

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
Subscription Id	Unique Code that identifies the ARP Subscription
Change Type	Field that describes the Change Type: From Online to Offline or from Offline to Online
Transaction Id	<p>Unique Code that identifies all messages exchanged within the same process.</p> <p>The code is generated by ARP (or DSP in specific cases, when the process is started by DSP) and identifies all messages exchanged between ARP and DSP and related to the same process.</p> <p>For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest,</p>

	ProvisioningCompletion) will contain the same TransactionId
Bilateral Information	Optional field bilaterally agreed that is beyond the scope of SI-IF7. This content is defined by bilateral agreement and may vary according to the context

Table 8: ReProvisioningNotification

Processes:

Customer changes Signalling Status

4.1.10 ReProvisioningAcknowledgement

This service is used by DSP to confirm to ARP that the ReProvisioningRequest has been taken on or used by ARP to confirm to DSP that the ReProvisioningNotification has been received.

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
Subscription Id	Unique Code that identifies the ARP Subscription
Arrival Timestamp	Date and Time of when the ReprovisioningRequest or the ReProvisioningNotification has been received, depending on involved scenario
Transaction Id	Unique Code that identifies all messages exchanged within the same process. The code is generated by ARP (or DSP in specific cases, when the process is started by DSP) and identifies all messages exchanged between ARP and DSP and related to the same process. For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest, ProvisioningCompletion) will contain the same TransactionId
Bilateral Information	Optional field bilaterally agreed that is beyond the scope of SI-IF7. This content is defined by bilateral agreement and may vary according to the context

Table 9: ReProvisioningAcknowledgement

Processes:

Customer changes Signalling Status

4.1.11 SuspendRoaming

This service is used by ARP to ask DSP the suspension of the roaming service within a Fraud Management Process.

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
Subscription Id	Unique Code that identifies the ARP Subscription
Transaction Id	<p>Unique Code that identifies all messages exchanged within the same process.</p> <p>The code is generated by ARP (or DSP in specific cases, when the process is started by DSP) and identifies all messages exchanged between ARP and DSP and related to the same process.</p> <p>For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest, ProvisioningCompletion) will contain the same TransactionId</p>
Bilateral Information	<p>Optional field bilaterally agreed that is beyond the scope of SI-IF7.</p> <p>This content is defined by bilateral agreement and may vary according to the context</p>

Table 10: SuspendRoaming

Processes:

Fraud Management and Prevention – Scenario 1

Fraud Management and Prevention – Scenario 2

4.1.12 RoamingSuspended

This service is used by DSP to notify ARP about the suspension of the roaming service.

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
Subscription Id	Unique Code that identifies the ARP Subscription
Notification Code	Identification code of the result of the activation
Notification Description	Description of the result
Transaction Id	<p>Unique Code that identifies all messages exchanged within the same process.</p> <p>The code is generated by ARP (or DSP in specific cases, when the process is started by DSP) and identifies all messages exchanged</p>

	<p>between ARP and DSP and related to the same process. For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest, ProvisioningCompletion) will contain the same TransactionId</p>
Bilateral Information	<p>Optional field bilaterally agreed that is beyond the scope of SI-IF7. This content is defined by bilateral agreement and may vary according to the context</p>

Table 11: RoamingSuspended

Processes:

Fraud Management and Prevention – Scenario 1

Fraud Management and Prevention – Scenario 2

4.1.13 UnSuspendRoaming

This service is used by ARP to ask DSP the unsuspension of the roaming service within a Fraud Management Process.

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
Subscription Id	Unique Code that identifies the ARP Subscription
Transaction Id	<p>Unique Code that identifies all messages exchanged within the same process. The code is generated by ARP (or DSP in specific cases, when the process is started by DSP) and identifies all messages exchanged between ARP and DSP and related to the same process. For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest, ProvisioningCompletion) will contain the same TransactionId</p>
Bilateral Information	<p>Optional field bilaterally agreed that is beyond the scope of SI-IF7. This content is defined by bilateral agreement and may vary according to the context</p>

Table 12: UnSuspendRoaming

Processes:

Fraud Management and Prevention – Scenario 1

4.1.14 RoamingUnSuspended

This service is used by DSP to notify ARP about the unsuspension of the roaming service.

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
Subscription Id	Unique Code that identifies the ARP Subscription
Notification Code	Identification code of the result of the activation
Notification Description	Description of the result
Transaction Id	<p>Unique Code that identifies all messages exchanged within the same process.</p> <p>The code is generated by ARP (or DSP in specific cases, when the process is started by DSP) and identifies all messages exchanged between ARP and DSP and related to the same process.</p> <p>For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest, ProvisioningCompletion) will contain the same TransactionId</p>
Bilateral Information	<p>Optional field bilaterally agreed that is beyond the scope of SI-IF7.</p> <p>This content is defined by bilateral agreement and may vary according to the context</p>

Table 13: RoamingUnSuspended

Processes:

Fraud Management and Prevention – Scenario 1

4.1.15 DeProvisioningRequest

This service is used by ARP to ask DSP to cancel an ARP subscription.

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
Subscription Id	Unique Code that identifies the ARP Subscription
Deactivation Reason	Identification of the reason why the subscription should be deactivated.
Transaction Id	<p>Unique Code that identifies all messages exchanged within the same process.</p> <p>The code is generated by ARP (or DSP in specific cases, when the</p>

	<p>process is started by DSP) and identifies all messages exchanged between ARP and DSP and related to the same process.</p> <p>For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest, ProvisioningCompletion) will contain the same TransactionId</p>
Bilateral Information	<p>Optional field bilaterally agreed that is beyond the scope of SI-IF7. This content is defined by bilateral agreement and may vary according to the context</p>

Table 14: DeProvisioningRequest

Processes:

Service DeActivation initiated by of the customer

Service DeActivation initiated by ARP

4.1.16 DeProvisioningAcknowledgement

This service is used by DSP to confirm to ARP that the DeprovisioningRequest has been taken on.

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
Subscription Id	Unique Code that identifies the ARP Subscription
Notification Code	Identification code of the result of the deactivation
Notification Description	Description of the result
Transaction Id	<p>Unique Code that identifies all messages exchanged within the same process.</p> <p>The code is generated by ARP (or DSP in specific cases, when the process is started by DSP) and identifies all messages exchanged between ARP and DSP and related to the same process.</p> <p>For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest, ProvisioningCompletion) will contain the same TransactionId</p>
Bilateral Information	<p>Optional field bilaterally agreed that is beyond the scope of SI-IF7. This content is defined by bilateral agreement and may vary</p>

	according to the context
--	--------------------------

Table 15: DeProvisioningAcknowledgement

Processes:

Service DeActivation initiated by of the customer

Service DeActivation initiated by ARP

4.1.17 DeProvisioningCompletion

This service is used by DSP to notify the result of a cancellation request of an ARP subscription, either positive or negative.

Parameters	Explanation
SENDER	TADIG Code of the message Sender
RECEIVER	TADIG Code of the message Receiver
Subscription Id	Unique Code that identifies the ARP Subscription
Deactivation Start Time	Date and Time of when the deprovisioning procedure started
Deactivation End Time	Date and Time of when the deprovisioning procedure ended
Deactivation Reason	Identification of the reason why the subscription has been deactivated
Notification Code	Identification code of the result of the deactivation
Notification Description	Description of the result
Transaction Id	Unique Code that identifies all messages exchanged within the same process. The code is generated by ARP (or DSP in specific cases, when the process is started by DSP) and identifies all messages exchanged between ARP and DSP and related to the same process. For example, all messages exchanged for the same Activation Process <u>for a specific subscription</u> (PreProvisioningRequest, PreProvisioningAcknowledgement, PreProvisioningCompletion, ProvisioningRequest, ProvisioningCompletion) will contain the same TransactionId
Bilateral Information	Optional field bilaterally agreed that is beyond the scope of SI-IF7. This content is defined by bilateral agreement and may vary according to the context

Table 16: DeProvisioningCompletion

Processes:

Service DeActivation initiated by Customer

Service DeActivation initiated by ARP

Service DeActivation initiated by DSP

Service Activation by the customer – Scenario 1

Service Activation by the customer – Scenario 3

Customer ports out via MNP during Single IMSI ARP contract

5 Parameters Definitions

SERVICE	PARAMETERS			
PreProvisioningRequest	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender
	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver
	ARP	Text – 5 Characters	NO	TADIG Code of the ARP requesting the PreProvisioning operation
	UserIdentifier	Text	NO	<p>Array of parameters used to communicate UserId.</p> <p>Each parameter is documented with the syntax “[UserIsType=UserId]” where:</p> <p>UserIsType can have one of the values:</p> <p>MSISDN IMSI ICCID</p> <p>MSISDN will be in international format</p> <p>Example: [MSISDN=393351234567] [IMSI=222011234567890]</p>
	ARP Signalling Status	OnLine OffLine	YES	Signalling status of ARP subscription
	TransactionId	Text [25 alphanumeric digits]	NO	<p>Obtained by the concatenation of ARP TADIG Code and a unique code generated by ARP</p> <p>Example: ITA0112345678912345678912</p>

PreProvisioningRequestAcknowledgement	AuthorizationInformation	Text	YES	<p>Array of Values.</p> <p>Each parameter is documented with the syntax "[Name=Value]"</p> <p>Parameters needed for this field are defined by National Regulator</p> <p>Example: [AuthorizationCode=00AFGH67]</p> <p>[FirstName=Francesco][LastName=Donato][DateOfBirth=21061970]</p>
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content
	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender
	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver
	RequestArrivalTimestamp	<p>Date</p> <p>The date is specified in the following form</p> <p>YYYY-MM-DDThh:mm:ss[+/-]hh:mm</p> <p>where:</p> <ul style="list-style-type: none"> • YYYY indicates the year • MM indicates the month • DD indicates the day • T indicates the start of the required time section • hh indicates the hour • mm indicates the minute • ss indicates the second • [+/-]hh:mm indicates time zones <p>Example: 2013-05-01T19:50:00+01:00</p>	NO	

	SubscriptionId	Text [30 alphanumeric digits]	NO	Obtained by the concatenation of DSP TADIG CODE, ARP TADIG Code and a unique code generated by DSP Example: ITASIIITA0112345678912345678912
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content
	TransactionId	Text [25 alphanumeric digits]	NO	Obtained by the concatenation of ARP TADIG Code and a unique code generated by ARP Example: ITA0112345678912345678912
ProvisioningRequest	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender
	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver
	SubscriptionId	Text [30 alphanumeric digits]	NO	Obtained by the concatenation of DSP TADIG CODE, ARP TADIG Code and a unique code generated by DSP Example: ITASIIITA0112345678912345678912
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content
	TransactionId	Text [25 alphanumeric digits]	NO	Obtained by the concatenation of ARP TADIG Code and a unique code generated by ARP Example: ITA0112345678912345678912
ProvisioningCompletion	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender
	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver
	SubscriptionId	Text [30 alphanumeric digits]	NO	Obtained by the concatenation of DSP TADIG CODE, ARP TADIG

				Code and a unique code generated by DSP Example: ITASIIITA0112345678912345678912
	TransactionId	Text [25 alphanumeric digits]	NO	Obtained by the concatenation of ARP TADIG Code and a unique code generated by ARP Example: ITA0112345678912345678912
	Provisioning Start Timestamp	<p>Date</p> <p>The date is specified in the following form</p> <p>YYYY-MM-DDThh:mm:ss[+/-]hh:mm</p> <p>where:</p> <ul style="list-style-type: none"> • YYYY indicates the year • MM indicates the month • DD indicates the day • T indicates the start of the required time section • hh indicates the hour • mm indicates the minute • ss indicates the second • [+/-]hh:mm indicates time zones <p>Example: 2013-05-01T19:50:00+01:00</p>	NO	

	Provisioning End Timestamp	<p>Date</p> <p>The date is specified in the following form</p> <p>YYYY-MM-DDThh:mm:ss[+/-]hh:mm</p> <p>where:</p> <ul style="list-style-type: none"> • YYYY indicates the year • MM indicates the month • DD indicates the day • T indicates the start of the required time section • hh indicates the hour • mm indicates the minute • ss indicates the second • [+/-]hh:mm indicates time zones <p>Example: 2013-05-01T19:50:00+01:00</p>	NO	
	Notification Code	<p>0: Activated</p> <p>1: Not Activated – Generic</p> <p>2: Not Activated – DSP has not yet sent a PreProvisioningCompletion</p> <p>3: Not Activated – DSP has sent a PreProvisioningCompletion(NOK)</p> <p>4: Not Activated – invalid Transaction ID</p> <p>5: Not Activated – valid Transaction ID but the MSISDN does not match with what was sent in the PreProvisioningRequest</p> <p>100-199: reserved for local use</p> <p>200-500: reserved for bilateral agreements</p>	NO	<p>This field will be populated accordingly with local privacy regulation.</p> <p>In case the sender has privacy restrictions for sending this information “generic” codes must be used</p>
	Notification Description	Text [max 80 alphanumeric digits]	YES	Free text description of the Notification Code
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content

PreProvisioningCompletion	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender
	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver
	InterfaceProvider	Text	YES	<p>Array of parameters that identify the provider for each interface (IF1, IF2, IF3 ...)</p> <p>It will be populated only in case Notification Code=0</p> <p>Each parameter is documented with the syntax “[Interface=Value]” where:</p> <p>Interface can be one of the values: IF1, IF2, IF3, IF4, IF5, IF6, IF7, IF8, IF9</p> <p>and Value is the TADIG Code of the MNO/MVNO providing the interface</p> <p>When an Interface is missing within the array it is intended that it is provided by the SENDER</p> <p>Example:</p> <p>[IF1=ITASII][IF2=ITA01]</p>
	SubscriptionId	Text [30 alphanumeric digits]	NO	<p>Obtained by the concatenation of DSP TADIG CODE, ARP TADIG Code and a unique code generated by DSP</p> <p>Example: ITASIIITA0112345678912345678912</p>
	UserIdentifier	Text	YES	Array of parameters used to communicate UserId.

				<p>Each parameter is documented with the syntax "[Name=Value]" where:</p> <p>Name can be one of the values: MSISDN IMSI ICCID</p> <p>MSISDN will be in international format</p> <p>Example:</p> <p>[MSISDN=393351234567]</p> <p>[IMSI=22011234567890]</p>
	Notification Code	<p>0: Activable</p> <p>1: No Active Agreement</p> <p>2: Not authorized - Generic</p> <p>3: Not authorized – Not customer of this DSP</p> <p>4: Not authorized – Incorrect Authorization Method</p> <p>5: Not authorized – Incorrect Authorization Credentials</p> <p>6: Not eligible - Generic</p> <p>7: Not eligible – Recipient ARP doesn't have an agreement with DSP</p> <p>8: Not eligible – Customer not controlled by DSP</p> <p>9: Not eligible – Subscriber's domestic service has been suspended</p> <p>10: Not eligible – Subscriber's roaming service has been suspended</p> <p>11: Not eligible – Subscriber has no contract to receive roaming service</p> <p>12: Not eligible – The service requestor is not the legal responsible party</p> <p>13: Not eligible - There is another ongoing provisioning or de-provisioning request for this UserId</p> <p>14: Not eligible - Request is based on non-primary UserId for</p>	NO	<p>This field will be populated accordingly with local privacy regulation.</p> <p>In case the sender has privacy restrictions for sending this information "generic" codes must be used</p>

		the subscription 15: Not eligible – Customer requested MNP 100-199: reserved for local use 200-500: reserved for bilateral agreements		
	Notification Description	Text [max 80 alphanumeric digits]	YES	Free text description of the Notification Code
	ARPSignallingStatus	OnLine OffLine	NO	Signalling Status of ARP subscription after the ReProvisioning
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content
	TransactionId	Text [25 alphanumeric digits]	NO	Obtained by the concatenation of ARP TADIG Code and a unique code generated by ARP Example: ITA0112345678912345678912
ReProvisioningRequest	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender
	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver
	SubscriptionId	Text [30 alphanumeric digits]	NO	Obtained by the concatenation of DSP TADIG CODE, ARP TADIG Code and a unique code generated by DSP Example: ITASIIITA0112345678912345678912
	OLD ARP Signalling Status	OnLine OffLine	NO	Old Signalling Status of ARP subscription
	NEW ARP Signalling Status	OnLine OffLine	NO	New Signalling Status of ARP subscription
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content
	TransactionId	Text [25 alphanumeric digits]	NO	Obtained by the concatenation of ARP TADIG Code and a unique code generated by ARP Example: ITA0112345678912345678912

ReProvisioningCompletion	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender
	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver
	InterfaceProvider	Text	YES	<p>Array of parameters that identify the provider for each interface (IF1, IF2, IF3 ...)</p> <p>It will be populated only in case Notification Code=0</p> <p>Each parameter is documented with the syntax “[Interface=Value]” where:</p> <p>Interface can be one of the values: IF1, IF2, IF3, IF4, IF5, IF6, IF7, IF8, IF9</p> <p>and Value is the TADIG Code of the MNO/MVNO providing the interface.</p> <p>When an Interface is missing within the array, it is intended that it is provided by the SENDER</p> <p>Example:</p> <p>[IF1=ITASII][IF2=ITA01]</p>
	SubscriptionId	Text [30 alphanumeric digits]	NO	<p>Obtained by the concatenation of DSP TADIG CODE, ARP TADIG Code and a unique code generated by DSP</p> <p>Example: ITASIIITA0112345678912345678912</p>

	Change Start Timestamp	<p>Date</p> <p>The date is specified in the following form</p> <p>YYYY-MM-DDThh:mm:ss[+/-]hh:mm</p> <p>where:</p> <ul style="list-style-type: none"> • YYYY indicates the year • MM indicates the month • DD indicates the day • T indicates the start of the required time section • hh indicates the hour • mm indicates the minute • ss indicates the second • [+/-]hh:mm indicates time zones <p>Example: 2013-05-01T19:50:00+01:00</p>	NO	
	Change End Timestamp	<p>Date</p> <p>The date is specified in the following form</p> <p>YYYY-MM-DDThh:mm:ss[+/-]hh:mm</p> <p>where:</p> <ul style="list-style-type: none"> • YYYY indicates the year • MM indicates the month • DD indicates the day • T indicates the start of the required time section • hh indicates the hour • mm indicates the minute • ss indicates the second 	NO	

		<ul style="list-style-type: none"> [+/-]hh:mm indicates time zones <p>Example: 2013-05-01T19:50:00+01:00</p>		
	ARPSignallingStatus	OnLine OffLine	NO	<p>Signalling Status of ARP subscription after the ReProvisioning</p> <p>In case the ReProvisioning is unsuccessful, the ARPSignallingStatus will be populated with the old value.</p>
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content
	TransactionId	Text [25 alphanumeric digits]	NO	<p>Obtained by the concatenation of ARP TADIG Code and a unique code generated by ARP</p> <p>Example: ITA0112345678912345678912</p>
ReProvisioningNotification	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender
	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver
	SubscriptionId	Text [30 alphanumeric digits]	NO	<p>Obtained by the concatenation of DSP TADIG CODE, ARP TADIG Code and a unique code generated by DSP</p> <p>Example: ITASIIITA0112345678912345678912</p>
	ChangeType	1: From OnLine to OffLine 2: From OffLine to OnLine	NO	
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content
	TransactionId	Text [25 alphanumeric digits]	NO	<p>Obtained by the concatenation of ARP TADIG Code and a unique code generated by ARP</p> <p>Example: ITA0112345678912345678912</p>

ReProvisioningAcknowledgement	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender
	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver
	SubscriptionId	Text [30 alphanumeric digits]	NO	Obtained by the concatenation of DSP TADIG CODE, ARP TADIG Code and a unique code generated by DSP Example: ITASIIA0112345678912345678912
	Arrival Timestamp	Date The date is specified in the following form "YYYY-MM-DDThh:mm:ss[+/-]hh:mm" where: <ul style="list-style-type: none"> • YYYY indicates the year • MM indicates the month • DD indicates the day • T indicates the start of the required time section • hh indicates the hour • mm indicates the minute • ss indicates the second • [+/-]hh:mm indicates time zones Example: 2013-05-01T19:50:00+01:00	NO	Date and Time of when the ReprovisioningRequest or the ReProvisioningNotification has been received, depending on involved scenario
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content
	TransactionId	Text [25 alphanumeric digits]	NO	Obtained by the concatenation of ARP TADIG Code and a unique code generated by ARP Example: ITA0112345678912345678912
DeProvisioningRequest	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender

	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver
	SubscriptionId	Text [30 alphanumeric digits]	NO	Obtained by the concatenation of DSP TADIG CODE, ARP TADIG Code and a unique code generated by DSP Example: ITASIIA0112345678912345678912
	Deactivation Reason	1 digit, encoded as: 0: request by customer 1: MNP port out 2: swap to another ARP 3: customer deactivation by DSP 4: fraud management 5: termination of contract with the subscriber – bill payer initiated 6: termination of contract with the customer – operator initiated 7: Change in subscriber primary identifier 8: Subscription modification incompatible with ARP contract 10: Generic 50-99: Reserved for bilateral agreements	NO	In case the Deactivation has been requested for Fraud Management reason (i.e. Code Value 4), the DSP should treat the request as a priority and process it as soon as possible, Optionally, DSP and ARP can agree bilaterally on a specific Fraud Suspension Code
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content
	TransactionId	Text [25 alphanumeric digits]	NO	Unique Identifier of the Activate request. Obtained by the concatenation of ARP TADIG Code and a unique code generated by ARP Must be the same code provided within the corresponding PreProvisioningRequest request Example: ITA0112345678912345678912
DeProvisioningAcknowledgement	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender
	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver

	SubscriptionId	Text [30 alphanumeric digits]	NO	Obtained by the concatenation of DSP TADIG CODE, ARP TADIG Code and a unique code generated by DSP Example: ITASIIITA0112345678912345678912
	Notification Code	0: Deprovisionable 1: Not Deprovisionable – Not authorized - Generic 2: Not Deprovisionable – Not authorized – Not customer of this DSP 3: Not Deprovisionable – Not eligible - Generic 4: Not Deprovisionable – Not Eligible - There is another ongoing provisioning or de-provisioning request for this UserId 100-199: Local 200-500: reserved for bilateral agreements	NO	
	Notification Description	Text [max 80 alphanumeric digits]	YES	Free text description of the Notification Code
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content
	TransactionId	Text [25 alphanumeric digits]	NO	Obtained by the concatenation of ARP TADIG Code and a unique code generated by ARP Example: ITA0112345678912345678912
DeProvisioningCompletion	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender
	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver
	SubscriptionId	Text [30 alphanumeric digits]	NO	Obtained by the concatenation of DSP TADIG CODE, ARP TADIG Code and a unique code generated by DSP Example: ITASIIITA0112345678912345678912 When the message is exchanged within an “Activation with swap between two ARPs” process, the

				SubscriptionId contains the OLD Code
	Deactivation Reason	0: request by customer 1: MNP port out 2: swap to another ARP 3: customer deactivation by DSP 4: fraud management 5: termination of contract with the subscriber – bill payer initiated 6: termination of contract with the customer – operator initiated 7: Change in subscriber primary identifier 8: Subscription modification incompatible with ARP contract 10: Generic 50-99: Reserved for bilateral agreements	YES	<p>In case the Deactivation has been requested for Fraud Management reason (i.e. Code Value 4), the DSP should treat the request as a priority and process it as soon as possible. Optionally, DSP and ARP can agree bilaterally on a specific Fraud Suspension Code.</p> <p>In case the DeProvisioningCompletion is sent as part of a process that doesn't contain a DeProvisioningRequest sent by ARP (Service Deactivation Initiated by the DSP or Swap to another ARP, or MNP port-out, Change of UserId, etc.) this field must be populated.</p>
	DeProvisioning Start Timestamp	Date The date is specified in the following form "YYYY-MM-DDThh:mm:ss[+/-]hh:mm" where: <ul style="list-style-type: none"> • YYYY indicates the year • MM indicates the month • DD indicates the day • T indicates the start of the required time section • hh indicates the hour • mm indicates the minute • ss indicates the second • [+/-]hh:mm indicates time zones Example: 2013-05-01T19:50:00+01:00	NO	
	DeProvisioning End Timestamp	Date The date is specified in the following form "YYYY-MM-	NO	

		<p>DDThh:mm:ss[+/-]hh:mm" where:</p> <ul style="list-style-type: none"> • YYYY indicates the year • MM indicates the month • DD indicates the day • T indicates the start of the required time section • hh indicates the hour • mm indicates the minute • ss indicates the second • [+/-]hh:mm indicates time zones <p>Example: 2013-05-01T19:50:00+01:00</p>		
	TransactionId	Text [25 alphanumeric digits]	NO	<p>Obtained by the concatenation of ARP TADIG Code and a unique code usually generated by ARP, except for the process "Service Deactivation Initiated by DSP" where the parameter is generated by DSP.</p> <p>Example: ITA0112345678912345678912</p> <p>When the message is exchanged within an "Activation with swap between two ARPs" process, the TransactionId contains the NEW ARP TADIG CODE, even if the message is sent from DSP to the OLD ARP to communicate the swap.</p>
	Notification Code	<p>0: Deprovisioned</p> <p>1: Not Deprovisioned – Not authorized - Generic</p> <p>2: Not Deprovisioned – Not authorized – Not customer of this DSP</p> <p>3: Not Deprovisioned – Not eligible - Generic</p> <p>4: Not Deprovisioned – NotEligible - There is another ongoing provisioning or de-provisioning request for this UserId</p> <p>100-199: Local</p>	NO	

		200-500: reserved for bilateral agreements		
	Notification Description	Text [max 80 alphanumeric digits]	YES	Free text description of the Notification Code
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content
SuspendRoaming	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender
	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver
	SubscriptionId	Text [30 alphanumeric digits]	NO	Obtained by the concatenation of DSP TADIG CODE, ARP TADIG Code and a unique code generated by DSP Example: ITASIIITA0112345678912345678912
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content
	TransactionId	Text [25 alphanumeric digits]	NO	Obtained by the concatenation of ARP TADIG Code and a unique code generated by ARP Example: ITA0112345678912345678912
RoamingSuspended	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender
	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver
	SubscriptionId	Text [30 alphanumeric digits]	NO	Obtained by the concatenation of DSP TADIG CODE, ARP TADIG Code and a unique code generated by DSP Example: ITASIIITA0112345678912345678912
	Notification Code	0: Suspended 1: Not Suspended – Generic 2: Not Suspended – invalid Transaction ID 3: Not Suspended – Invalid SubscriptionId 100-199: reserved for local use	NO	

		200-500: reserved for bilateral agreements		
	Notification Description	Text [max 80 alphanumeric digits]	YES	Free text description of the Notification Code
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content
	TransactionId	Text [25 alphanumeric digits]	NO	Obtained by the concatenation of ARP TADIG Code and a unique code generated by ARP Example: ITA0112345678912345678912
UnSuspendRoaming	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender
	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver
	SubscriptionId	Text [30 alphanumeric digits]	NO	Obtained by the concatenation of DSP TADIG CODE, ARP TADIG Code and a unique code generated by DSP Example: ITASIIITA0112345678912345678912
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content
	TransactionId	Text [25 alphanumeric digits]	NO	Obtained by the concatenation of ARP TADIG Code and a unique code generated by ARP Example: ITA0112345678912345678912
RoamingUnSuspended	Name	Type/Values	Optional	Description
	SENDER	Text – 5 Characters	NO	TADIG Code of the Sender
	RECEIVER	Text – 5 Characters	NO	TADIG Code of the Receiver
	SubscriptionId	Text [30 alphanumeric digits]	NO	Obtained by the concatenation of DSP TADIG CODE, ARP TADIG Code and a unique code generated by DSP Example: ITASIIITA0112345678912345678912

	Notification Code	0: ReActivated 1: Not ReActivated – Generic 2: Not ReActivated – invalid Transaction ID 3: Not ReActivated – Invalid SubscriptionId 100-199: reserved for local use 200-500: reserved for bilateral agreements	NO	
	Notification Description	Text [max 80 alphanumeric digits]	YES	Free text description of the Notification Code
	Bilateral Information	Text [max 80 alphanumeric digits]	YES	Bilaterally agreed content
	TransactionId	Text [25 alphanumeric digits]	NO	Obtained by the concatenation of ARP TADIG Code and a unique code generated by ARP Example: ITA0112345678912345678912

Table 17: Parameter Definition

6 Testing Procedure

TBD

7 Release Management

TBD

8 Security

Security requirements between DSP and ARP are subject to further study and will be included in a separate document.

Document Management

Document History

Version	Date	Brief Description of Change	Approval Authority	Editor / Company
1.0	26 th Nov 2013	New PRD Created by the BEREC Stakeholder Forum Billing & Provisioning Subgroup	TADIG eVote PSMC #118	Francesco Donato (Telecom Italia)

Other Information

Type	Description
Document Owner	TADIG
Editor / Company	Francesco Donato (Telecom Italia)

It is our intention to provide a quality product for your use. If you find any errors or omissions, please contact us with your comments. You may notify us at prd@gsma.com.

Your comments or suggestions & questions are always welcome.