



Malima



Orange

Customer Catalogue Interface
Description

Reference: DVS107-WSDL-CC.docx S4F3
Date: 26/12/2016

Description of the document

| Ownership | |
|----------------|--|
| Client | Orange |
| Project title | Malima |
| Document title | Customer Catalogue Interface Description |
| Reference | DVS107-WSDL-CC.docx |
| Version | S4F3 |
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Version history

| IC Version | GooRooCoo | WSDL version | Description | Date |
|------------|-----------|--------------|---|------------|
| S1F0 | | | Creation | 20/06/2011 |
| S1F1 | | | Added option@type | 21/06/2011 |
| S1F2 | | | added cardinality of parameter elements. Added list of available lineIdentifiers types. Added special value 'NONE' of lineIdentifier@type Changed cardinality of lineIdentifier node to 0..n | 04/07/2011 |
| S1F3 | | | Update GetAvailableTP/GetAvailableOption | 22/07/2011 |
| S1F3 | | | Changed cardinality of catalog tag in response of method getAvailableTariffPlan and getAvailableOptions | 27/07/2011 |
| S1F4 | | | Changed cardinality of lineGroup tag to 0..1 in the both operation. In the tariffPlan response, in the incompatibilities, the tag option must be INSIDE the line tag. | 29/07/2011 |
| S1F5 | | | fixed GetAvailableOption: wrong incompatibilities element added. (missing line reference) reverted to catalogue@id attribute name | 02/08/2011 |
| S1F6 | | | Add lineIdentifiersWithoutCatalogue and lineIdentifiersWithUnknownTariffPlanOrOption tags. Add NoCatalogueFoundForNodeIdFault exception | 25/08/2011 |
| S2F0 | | | Deleted getAvailableOptions service and removed getAvailableTariffPlans to getAvailableCustomerCatalogue | 31/08/2011 |
| S2F1 | | | "Catalog" updated to "Catalogue", "Environnement" to "Environment" and "Tariff Option Catalog" to "Customer Catalogue" | 27/09/2011 |
| S3F0 | | | Dans GetAvailableCustCatalogue - resp, add @isMandatoryForOrdering, @isAddable, @isModifiable, @isRemovable | 20/02/2012 |
| S3F1 | | | [Common SOAP Faults] update code and messages on MalimaErrorFault + add MLM_DEFAULT_ERROR_CODE | 15/10/2012 |
| S4F0 | | | [GetAvailableCustCatalogue -Resp] Update the description of the element "regex" in case of the parameter associated to an available resource. | 13/11/2012 |
| S4F1 | | | Revert the S4F0 modifications [GetAvailableCustCatalogue -Resp] Add the linkedResources node to the response in order to define the available resources [GetAvailableCustCatalogue -Req] Add a showOptionsLinkedResources to the request to specify if resources are needed in the response | 20/03/2013 |
| S4F2 | | | Identify not applicable fields | 14/04/2015 |
| S4F3 | | | Add availableTariffPlan | 07/07/2015 |

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1. Introduction

1.1. Subject of the document

The purpose of this document is to define the Customer Catalog web service.

1.2. Legend

| Abbreviation | Definition |
|--------------|---|
| [C] | Choice: only one element among the elements marked with this abbreviation is allowed. |
| @ | Attribute: an element marked with this abbreviation is an XML attribute. |
| CC | Customer Catalogue |
| string30 | String limited to 30 characters |
| string150 | String limited to 150 characters |

1.3. Reference documents

| N° | Title | Reference | Version |
|----|-------|-----------|---------|
| | | | |

2. GetAvailableCustCatalogue

2.1. Request

| XML element | Card | Type | Deprecated since | Introduced in | Description |
|--|------|---------|------------------|---------------|--------------------------------|
| getAvailableCustomerCatalogueRequest | | | | | |
| ^[C] lineIdentifiers | 0..1 | | | | Collection of line identifiers |
| ^[C] subscriptionNumber | 1..n | string | | | List of subscription numbers |
| ^[C] simSerialNumber | 1..n | string | | | List of SIM serial numbers |
| ^[C] deviceImei | 1..n | string | | | List of device IMEI |
| ^[C] deviceSerialNumber | 1..n | string | | | List of device serial numbers |
| ^[C] deviceUniqueid | 1..n | string | | | List of device unique ids |
| ^[C] machineSerialNumber | 1..n | string | | | List of machine serial numbers |
| ^[C] msisdnVoice | 1..n | | | | List of voice MSISDN |
| cc | 1..1 | string | | | Country code |
| sn | 1..1 | string | | | Subscriber number |
| ^[C] msisdnData | 1..n | | | | List of data MSISDN |
| cc | 1..1 | string | | | Country code |
| sn | 1..1 | string | | | Subscriber number |
| ^[C] msisdnFax | 1..n | | | | List of fax MSISDN |
| cc | 1..1 | string | | | Country code |
| sn | 1..1 | string | | | Subscriber number |
| ^[C] customerEnvironmentIdentifier | 0..1 | string | | | customer environment ID |
| showOptionsLinkedResources | 0..1 | boolean | | | Not applicable |

2.2. Response

| XML element | Card | Type | Deprecated since | Introduced in | Description |
|---------------------------------------|------|---------|------------------|---------------|---|
| getAvailableCustomerCatalogueResponse | | | | | |
| catalogue | 0..n | | | | group line groups that belong to the same catalogue |
| @id | 0..1 | string | | | Not applicable |
| lineGroup | 1..n | | | | group lines that have the same tariff plan (or no tariff plan) |
| lineIdentifiers | 0..1 | | | | Not present if a customer identifier is passed in input. |
| lineIdentifier | 0..n | | | | Line identifiers passed in input |
| @subscriptionIdentifier | 1..1 | string | | | Subscription identifier stored into malima core DB. This id is used to reference the lines in the incompatibilities tags. |
| ^[C] subscriptionNumber | 1..1 | string | | | Subscription number |
| ^[C] simSerialNumber | 1..1 | string | | | SIM serial number |
| ^[C] deviceImei | 1..1 | string | | | Device IMEI |
| ^[C] deviceSerialNumber | 1..1 | string | | | Device serial numbers |
| ^[C] deviceUniqueid | 1..1 | string | | | Device unique identifiers |
| ^[C] machineSerialNumber | 1..1 | string | | | Machine serial numbers |
| ^[C] msisdnVoice | 1..1 | | | | Voice MSISDN |
| cc | 1..1 | string | | | Country code |
| sn | 1..1 | string | | | Subscriber number |
| ^[C] msisdnData | 1..1 | | | | Data MSISDN |
| cc | 1..1 | string | | | Country code |
| sn | 1..1 | string | | | Subscriber number |
| ^[C] msisdnFax | 1..1 | | | | Fax MSISDN |
| cc | 1..1 | string | | | Country code |
| sn | 1..1 | string | | | Subscriber number |
| activeTariffPlan | 0..1 | | | | The active tariff plan of the line group. Not present if a customer environment is passed in input. |
| @label | 1..1 | string | | | label of the tariff plan |
| @codeAlias | 1..1 | string | | | alias of the tariff plan |
| @isOrderable | 1..1 | boolean | | | (true by default) |
| @isModifiable | 1..1 | boolean | | | (false by default) |
| option | 0..n | | | | list of options |
| @label | 1..1 | string | | | option label |
| @codeAlias | 1..1 | string | | | option alias |
| @isOrderable | 1..1 | boolean | | | (true by default) |
| @isModifiable | 1..1 | boolean | | | (false by default) |
| @isRemovable | 1..1 | boolean | | | (true by default) |
| @type | 0..1 | string | | | Not applicable |
| parameter | 0..n | | | | Not applicable |
| @label | 1..1 | string | | | Not applicable |
| @code | 1..1 | string | | | Not applicable |
| @isMandatoryForOptionOrdering | 1..1 | boolean | | | Not applicable |

| | | | | | | | | | |
|--|--|--|--|-------------------------------|------|---------|--|--|---|
| | | | | @isAddable | 1..1 | boolean | | | Not applicable |
| | | | | @isModifiable | 1..1 | boolean | | | Not applicable |
| | | | | @isRemovable | 1..1 | boolean | | | Not applicable |
| | | | | | | | | | Not applicable |
| | | | | regex | 0..1 | string | | | |
| | | | | linkedResources | 0..1 | | | | Not applicable |
| | | | | linkedResource | 1..n | | | | Not applicable |
| | | | | resourceType | 1..1 | string | | | Not applicable |
| | | | | resourceParamType | 1..1 | string | | | Not applicable |
| | | | | linkedResourceValues | 0..1 | | | | Not applicable |
| | | | | value | 1..n | string | | | Not applicable |
| | | | | defaultValue | 0..1 | string | | | Not applicable |
| | | | | incompatibilities | 0..1 | | | | Not applicable |
| | | | | line | 0..n | | | | Not applicable |
| | | | | @subscriptionIdentifier | 1..1 | string | | | Not applicable |
| | | | | option | 0..n | | | | Not applicable |
| | | | | @label | 1..1 | string | | | Not applicable |
| | | | | @codeAlias | 1..1 | string | | | Not applicable |
| | | | | @type | 0..1 | string | | | Not applicable |
| | | | | incompatibilities | 0..1 | | | | Not applicable |
| | | | | option | 0..n | | | | Not applicable |
| | | | | @label | 1..1 | string | | | Not applicable |
| | | | | @codeAlias | 1..1 | string | | | Not applicable |
| | | | | @type | 0..1 | string | | | Not applicable |
| | | | | availableTariffPlan | 0..n | | | | list of available tariff plans |
| | | | | @label | 1..1 | string | | | label of the tariff plan |
| | | | | @codeAlias | 1..1 | string | | | alias of the tariff plan |
| | | | | @isOrderable | 1..1 | boolean | | | |
| | | | | @isModifiable | 1..1 | boolean | | | |
| | | | | option | 0..n | | | | list of options available to the parent tariff plan |
| | | | | @label | 1..1 | string | | | option label |
| | | | | @codeAlias | 1..1 | string | | | option alias |
| | | | | @isOrderable | 1..1 | boolean | | | |
| | | | | @isModifiable | 1..1 | boolean | | | |
| | | | | @isRemovable | 1..1 | boolean | | | |
| | | | | @type | 0..1 | string | | | Not applicable |
| | | | | parameter | 0..n | | | | Not applicable |
| | | | | @label | 1..1 | string | | | Not applicable |
| | | | | @code | 1..1 | string | | | Not applicable |
| | | | | @isMandatoryForOptionOrdering | 1..1 | boolean | | | Not applicable |
| | | | | @isAddable | 1..1 | boolean | | | Not applicable |
| | | | | @isModifiable | 1..1 | boolean | | | Not applicable |
| | | | | @isRemovable | 1..1 | boolean | | | Not applicable |
| | | | | regex | 0..1 | string | | | Not applicable |
| | | | | linkedResources | 0..1 | | | | Not applicable |
| | | | | linkedResource | 1..n | | | | Not applicable |
| | | | | resourceType | 1..1 | string | | | Not applicable |
| | | | | resourceParamType | 1..1 | string | | | Not applicable |
| | | | | linkedResourceValues | 0..1 | | | | Not applicable |
| | | | | value | 1..n | string | | | Not applicable |
| | | | | defaultValue | 0..1 | string | | | Not applicable |
| | | | | incompatibilities | 0..1 | | | | Not applicable |
| | | | | line | 0..n | | | | Not applicable |
| | | | | @subscriptionIdentifier | 1..1 | string | | | Not applicable |
| | | | | option | 0..n | | | | Not applicable |
| | | | | @label | 1..1 | string | | | Not applicable |
| | | | | @codeAlias | 1..1 | string | | | Not applicable |
| | | | | @type | 0..1 | string | | | Not applicable |
| | | | | incompatibilities | 0..1 | | | | Not applicable |
| | | | | option | 0..n | | | | Not applicable |
| | | | | @label | 1..1 | string | | | Not applicable |
| | | | | @codeAlias | 1..1 | string | | | Not applicable |
| | | | | @type | 0..1 | string | | | Not applicable |

| | | | | |
|--|------|--------|--|--|
| unknownLineIdentifiers | 0..1 | | | Collection of line identifiers given to the service that are unknown or do not belong to the Malima user |
| ^[C] subscriptionNumber | 1..n | string | | List of subscription numbers |
| ^[C] simSerialNumber | 1..n | string | | List of SIM serial numbers |
| ^[C] deviceImei | 1..n | string | | List of device IMEI |
| ^[C] deviceSerialNumber | 1..n | string | | List of device serial numbers |
| ^[C] deviceUniqueld | 1..n | string | | List of device unique identifiers |
| ^[C] machineSerialNumber | 1..n | string | | List of machine serial numbers |
| ^[C] msisdVoice | 1..n | | | Voice MSISDN |
| cc | 1..1 | string | | Country code |
| sn | 1..1 | string | | Subscriber number |
| ^[C] msisdData | 1..n | | | Data MSISDN |
| cc | 1..1 | string | | Country code |
| sn | 1..1 | string | | Subscriber number |
| ^[C] msisdFax | 1..n | | | Fax MSISDN |
| cc | 1..1 | string | | Country code |
| sn | 1..1 | string | | Subscriber number |
| lineIdentifiersWithoutCatalogue | 0..1 | | | Not applicable |
| ^[C] subscriptionNumber | 1..n | string | | Not applicable |
| ^[C] simSerialNumber | 1..n | string | | Not applicable |
| ^[C] deviceImei | 1..n | string | | Not applicable |
| ^[C] deviceSerialNumber | 1..n | string | | Not applicable |
| ^[C] deviceUniqueld | 1..n | string | | Not applicable |
| ^[C] machineSerialNumber | 1..n | string | | Not applicable |
| ^[C] msisdVoice | 1..n | | | Not applicable |
| cc | 1..1 | string | | Not applicable |
| sn | 1..1 | string | | Not applicable |
| ^[C] msisdData | 1..n | | | Not applicable |
| cc | 1..1 | string | | Not applicable |
| sn | 1..1 | string | | Not applicable |
| ^[C] msisdFax | 1..n | | | Not applicable |
| cc | 1..1 | string | | Not applicable |
| sn | 1..1 | string | | Not applicable |
| lineIdentifiersWithUnknownTariffPlanOrOption | 0..1 | | | Not applicable |
| ^[C] subscriptionNumber | 1..n | string | | Not applicable |
| ^[C] simSerialNumber | 1..n | string | | Not applicable |
| ^[C] deviceImei | 1..n | string | | Not applicable |
| ^[C] deviceSerialNumber | 1..n | string | | Not applicable |
| ^[C] deviceUniqueld | 1..n | string | | Not applicable |
| ^[C] machineSerialNumber | 1..n | string | | Not applicable |
| ^[C] msisdVoice | 1..n | | | Not applicable |
| cc | 1..1 | string | | Not applicable |
| sn | 1..1 | string | | Not applicable |
| ^[C] msisdData | 1..n | | | Not applicable |
| cc | 1..1 | string | | Not applicable |
| sn | 1..1 | string | | Not applicable |
| ^[C] msisdFax | 1..n | | | Not applicable |
| cc | 1..1 | string | | Not applicable |
| sn | 1..1 | string | | Not applicable |

2.3. SOAP faults

2.3.1. MalimaErrorFault

| XML element | Card | Type | Description |
|-------------|------|--------|-------------------------|
| faultcode | 1..1 | string | Soap fault code |
| faultstring | 1..1 | string | Soap fault error string |
| MalimaError | 1..1 | | |
| code | 1..1 | string | Malima error code |
| message | 1..1 | string | Malima error message |

faultstring values :

- A Malima Error happened

Monthly quota reached for this service

Malima code and message values listing :

| Code | Message |
|-----------------------|--|
| MLM_UNKNOWN_USER | "The user <node id> is unknown to Malima." |
| | "The user <node id> is unknown to Malima." |
| | or |
| MLM_SOAP_HEADER_ERROR | "Portal header in SOAP message is missing" |
| | or |

| | |
|----------------------------|--|
| | "Some input parameters in portal header are not valid : <missing field>" |
| CANNOT_CONNECT_TO_DATABASE | "Cannot connect to the core database." |
| MLM_QUOTA_EXCEEDED | "Quota exceeded: it remains just <remaining authorized hit count>/<allowed hit count> hit for this web service." |
| MLM_DEFAULT_ERROR_CODE | "A Malima plateforme error has occurred" |

2.3.2. UnknownCustomerEnvironmentNumberFault

| XML element | | Card | Type | Description |
|---------------------------------------|-------------------------------|------|--------|---|
| faultcode | | 1..1 | string | Soap fault code |
| faultstring | | 1..1 | string | Soap fault error string |
| UnknownCustomerEnvironmentNumberError | | 1..1 | | |
| | customerEnvironmentIdentifier | 1..1 | string | The unknown customer environment identifier |

2.3.3. TooManyResultsFault

| XML element | | Card | Type | Description |
|---------------------|--------------------|------|--------|---|
| faultcode | | 1..1 | string | Soap fault code |
| faultstring | | 1..1 | string | Soap fault error string |
| TooManyResultsError | | 1..1 | | |
| | maxAllowedResultsr | 1..1 | int | The maximum of allowed results in the responder |

2.3.4. TooManyLineIdentifiersFault

| XML element | | Card | Type | Description |
|-----------------------------|---------------------------------|------|--------|---|
| faultcode | | 1..1 | string | Soap fault code |
| faultstring | | 1..1 | string | Soap fault error string |
| TooManyLineIdentifiersError | | 1..1 | | |
| | maxAllowedLineIdentifiersNumber | 1..1 | int | Maximum allowed line identifiers number |

2.3.5. NoCatalogueFoundForNodeIdFault

| XML element | | Card | Type | Description |
|--------------------------------|--------|------|--------|-------------------------|
| faultcode | | 1..1 | string | Soap fault code |
| faultstring | | 1..1 | string | Soap fault error string |
| NoCatalogueFoundForNodeIdError | | 1..1 | | |
| | nodeId | 1..1 | string | Not applicable |