

Malima



# Orange

Connectivity Directory Interface Description

Reference: DVS107-WSDL-CD.docx S1F30

Date: 06/07/2016

# Description of the document

Ownership	
Client	Orange
Project title	Malima
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# Version history

IC Version	GooRooCoo	WSDL version	Operation	Date
S0F1	-		Creation	20/11/2009
S1F0	-		Orange model Add UpdateCustomerDeviceData in Connectivity Directory service	23/11/2009
S1F1	-		Update for V1 sprint 3	08/12/2009
S1F2	-		PO feedbacks application	17/12/2009
S1F3	-		Delete Geoloc Informations	05/01/2010
	-		Add informations in UpCD - Req	07/01/2009
S1F4	-		Rectifications in the faults description	22/01/2010
S1F5	-		Cardinality changes	15/02/2010
S1F6	-		MLM_QUOTA_EXCEEDED error code added	21/05/2010
S1F7	-		MLM_SOAP_HEADER_ERROR error code added	18/03/2011
S1F8	-	1.1	Add the SimStatusDistribution on Search in CD.	26/07/2012
S1F9	-	1.4	GetCD response: Machine serialNumber and device Unique identifier are now 01 SearchInCD response: Machine serialNumber and device Unique identifier are now 01 UpdateCD request; Machine serialNumber and device Unique identifier are now 01	17/06/2013
S1F10	-	1.6	harmonization with IOSW	17/06/2013
S1F11	-	1.6	GetCDResp & SearchCDResp : management of subscription-description-service field	
S1F12	-	1.7	GetCDReq & GetCDResp: in get request, imsi transmitted, in order to copy it in response	30/09/2013
S1F13	-	1.7	GetCDReq & GetCDResp: in get request, imsi transmitted, in order to copy it in response. Change implementation of IMSI field	15/10/2013
S1F14	-	1.7	Correction of QC1203 and unknowslmsi node	16/10/2013
S1F15	-	1.8	In node unknownsImsi : change choice to sequence	29/10/2013
S1F16	-	1.9	Change the cardinality of GetConnectivityDirectory request. Imsi and lineIdentifier minimum occurrences is set to 1.	18/11/2013
S1F17	G03R11C02	1.10	Convert document to WORD format. Add Device Info geolocation data to CD	23/01/2014
S1F18	G03R14C00	1.11	Evol CDDYN S1F7:  - add user/userRef as search criteria for SearchInCd  - add subConnectionDate and subCreationDate as sort criteria in searchInCd  - add the ICCID in GetCd response  - add hierarchy details in GetCd/SearchInCd response  - add imsi in GetCd/SearchInCd response	
S1F19	G03R14C00	1.11	Evol CDDYN S1F7  + move the imsi element under "connectivityDirectory" in the SearchInCD response  + adapt comments for showHierarchyDetail, showlccid and showImsi to showDeviceInfo comment	08/04/2014
S1F20	G03R14C00	1.11	Evol CDDYN S1F7	10/04/2014
⇒ <del></del>	222		+ add precisions on the "showXX" flags (true/false/absent cases)	



			Evol CDDYN S1F7	
S1F21	-	1.11	+ move the ICCID element under "connectivityDirectory" in the GetCD response	17/04/2014
S1F22	-	1.11	Modification of message for MLM_QUOTA_EXCEEDED SoapFault	05/05/2014
S1F23	G03R15C00	1.13	Fields order change in the GetCD request and searchCD request	11/06/2014
S1F24	G03R19C00	1.14	Update Get/Search/Update CD methods to add customized fields. Add CRUD methods to manage customized fields.	29/09/2014
S1F25	G03R21C00	1.14	Modify the description of the "deviceInfoCompatibility" field of the response of getCD and searchCD  Remove enum UpdateConnectivityDirectoryError, replace by a String	30/01/2015
S1F26	G03R22C00	1.14	Modify "rangeSize" field description of the request of SearchInCD	03/04/2015
S1F27	G03R22C00	1.15	Use portal merged WSDL	
S1F28	G03R23C00	1.16	Add Showlccid to SearchInCD	09/06/2015
S1F29	G03R25C00	1.17	Add submitConnectivityDirectoryExport and getConnectivityDirectoryExport	02/11/2015
			Add a malima error code returned by updateCD (MLM_TOO_MANY_LINE_IDS) cf.§4.3.1	25/11/2015
S1F30	G03R30C00	1.18	Add ICCID and VERSION in search and get CD	06/07/2016



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# 1. Introduction

## 1.1. Subject of the document

The purpose of this document is to define the Connectivity Directory 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.					
DIS	Device Info Service					
STS	Smart Sim Service					
CD	Connectivity Directory					
SimStatus	String Possible values are:  PRE_ACTIVATED  ACTIVATED_FOR_TEST  ACTIVATED  SLEEPING  SUSPENDED  CANCELLED					
SortOrder	Enumerated type.  Values are:  • ASC • DESC					
Enumerated type.  Values are:  SIM_STATUS  STATUS_CHANGE_DATE  SIM_SSN  CONTACT  DEVICE_UNIQUE_IDENTIFIER  SUB_CONNECTION_DATE  SUB_CREATION_DATE						
SimStatusStatistic	Int with extension attribute SimStatus					
string30	String limited to 30 characters					
string150	String limited to 150 characters					
Enumerated type.  Values are:  WAITING  WORK_IN_PROGRESS  TERMINATED  ERROR						

## 1.3. Reference documents

N°	Title	Reference	Version



# 2. GetConnectivityDirectory

# 2.1. Request

XML element	Card	Туре	Deprecated since	Introduced in	Description
GetConnectivityDirectory					
version	01			1.18	Since version 1.18, the notion of version is added:   deprecated since": the element is no longer used since the indicated version  introduced in": the element is taken into account since the indicated version
[C] lineIdentifiers	11				Collection of line identifiers  * The number of identifiers must not exceed 100 identifiers
[c] subscriptionNumber	1n	string			List of subscription numbers
[C] simSerialNumber	1n	string			List of SIM serial Numbers
[C] devicelmei	1n	string			List of device IMEI
[C] deviceSerialNumber	1n	string			List of device Serial Numbers
[C] deviceUniqueId	1n	string			Liste of device unique identifiers
[C] machineSerialNumber	1n	string			List of machine serial numbers
[C] iccid	1n	string			List of Integrated Circuit Card IDentifier
[C] msisdnVoice	1n	ounig			Voice MSISDN
cc	11	string			country code
sn	11	string			subscriber number
<sup>[C]</sup> msisdnData	1n	ou mig			Data MSISDN
cc	11	string			country code
sn	11	string			subscriber number
<sup>[C]</sup> msisdnFax	1n	Julia			Fax MSISDN
cc	11	string			country code
sn	11	string			subscriber number
IC) imsi	1n	string			List of imsi numbers
11131	111	Sumg			List of imal numbers
showAttachmentNode	01	boolean			Not applicable
showStatusReason	01	boolean			Not applicable
showHierarchyDetail	01	boolean	1.18		Deprecated if the field "version" is present otherwise  If true, return the customer environment name in the response.  If false or not present, do not return it.
showDetailedTariffPlansAndOptions	01	boolean	1.18		<u>'</u>
Showbetalled Fahir FlansAndOptions	01	boolean	1.10		Otherwise:  If true then the tariff plans and options will be returned.  If not present then defaults to 'false'
showDeviceInfo	01	boolean	1.18		Deprecated if the field "version" is present Otherwise: If true the DIS data (last location and compatibility) will be returned. If false or not present, DIS data are not displayed.
showCustomInformations	01	boolean	1.18		Deprecated if the field "version" is present Otherwise: If true then customizable fields will be returned. If not present then defaults to 'false'
showlccid	01	boolean	1.18		Deprecated if the field "version" is present Otherwise: If true, return the ICCID in the response.
showlmsi	01	boolean	1.18		If false or not present, do not return it.  Deprecated if the field "version" is present Otherwise:  If true, return the imsi in the response.  If false or not present, do not return it.

# 2.2. Response

	XML element	Card	Туре	Deprecate d since	Introduced in	Description
ge	getConnectivityDirectoryResponse					
	connectivityDirectory	0n				Connectivity directory linked to one line
	customerEnvironmentIdentifier	11	string			Customer environnement identifier
	customerEnvironmentName	01	string			The name of the customer environment
	customerEnvironmentFiscalNumber	01	string			Not applicable

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nsi cid	01 01	string		Current imsi ICCID
cid		string		
m	01			Sim card data
serialNumber	01	string		Sim serial number
puk1	01	string		PUK code 1
puk2	01	string		PUK code 2
imei	01	string		Device IMEI
status	01	string		SIM status
statusReason	01	string		Not applicable
suspensionReason	01	string		SIM suspension reason
lastStatusRefreshDate	01	dateTime		Last SIM status refresh (recalculation) date.
lasiStatuskellestiDate	01	daterime		* The service must only use the known data contained in connectivity directory of the Malima platform (no call to the country IS). So the field may be different to the current dat (but equals to the last date where the subscription data have been updated).
lastStatusChangeDate	01	dateTime		Last SIM status change date
requestedStatus	01	string		New SIM status requested
statusChangeRequestDate	01	dateTime		Date of the SIM status change request
<u> </u>		uaterine		<u> </u>
ubscription	11			Subscription data
identifier	11	string		Subscription identifier
description	01			Subscription description
value	01	string	1.18	Subscription label: ONLY PRESENT if showDetailedTariffPlansAndOptions input param is false
user	01	string		Malima user that own the subscription
userRef	01	string		Reference to the Malima user that own the subscription
service	0n	string	1.18	List of the services linked to the subscription. If the label of service is not null, it's displayed, otherwise it's the code of service.  ONLY PRESENT if showDetailedTariffPlansAndOptions in param is false
customInformation	0n			List of customizable fields
customLabel	11	string		Label of the customizable field
customValue	01	string		Value of the customizable field
nodeldentifier	01	string		Not applicable
	01	dateTime		
creationDate				Subscription creation date
connectionDate	01	dateTime		First network connection date
msisdnData	01			Data MSISDN
СС	11	string		country code
sn	11	string		subscriber number
msisdnVoice	01	Ü		Voice MSISDN
cc	11	string		country code
				subscriber number
sn	11	string		
msisdnFax	01			Fax MSISDN
cc	11	string		country code
sn	11	string		subscriber number
tariffPlans	01			list of tariff plans : ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true
requestedTariffPlan	01			Not applicable
@codeAlias	11	string		Not applicable
@label	11	string		Not applicable
plannedTariffPlan	01			Not applicable
@codeAlias	11	string		Not applicable
@label	11	string		Not applicable
™IUDCI		Juny		140t applicable
			ı	
activeTariffPlan	01	atul		Aprill plan = !! = -
activeTariffPlan @codeAlias	01 11	string		tariff plan alias
activeTariffPlan @codeAlias @label	01 11 11	string		tariff plan label
activeTariffPlan @codeAlias	01 11			•
activeTariffPlan @codeAlias @label	01 11 11	string		tariff plan label
activeTariffPlan @codeAlias @label @startDate	01 11 11 01	string dateTime		tariff plan label  Not applicable
activeTariffPlan  @codeAlias  @label  @startDate  @endDate	01 11 11 01	string dateTime		tariff plan label  Not applicable  Not applicable
activeTariffPlan  @codeAlias  @label  @startDate  @endDate  tariffOptions	01 11 11 01	string dateTime		tariff plan label  Not applicable  Not applicable  list of options : ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true
activeTariffPlan  @codeAlias @label @startDate @endDate tariffOptions  requestedOptions	01 11 11 01 01 01	string dateTime		tariff plan label  Not applicable  Not applicable  list of options : ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true  Not applicable
activeTariffPlan  @codeAlias @label @startDate @endDate tariffOptions  requestedOptions option	01 11 11 01 01 01 01	string dateTime dateTime		tariff plan label  Not applicable  Not applicable  list of options : ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true  Not applicable  Not applicable
activeTariffPlan  @codeAlias @label @startDate @endDate tariffOptions  requestedOptions option @codeAlias	01 11 01 01 01 01 0n	string dateTime dateTime string		tariff plan label  Not applicable  Not applicable  list of options : ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true  Not applicable  Not applicable  Not applicable
activeTariffPlan  @codeAlias @label @startDate @endDate tariffOptions  requestedOptions option	01 11 11 01 01 01 01	string dateTime dateTime string string OptionActio		tariff plan label  Not applicable  Not applicable  list of options : ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true  Not applicable  Not applicable
activeTariffPlan  @codeAlias @label @startDate @endDate tariffOptions  requestedOptions option  @codeAlias @label @action	01 11 01 01 01 01 01 11 01	string dateTime dateTime string string OptionActio		tariff plan label  Not applicable  Not applicable  list of options : ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true  Not applicable
activeTariffPlan  @codeAlias @label @startDate @endDate tariffOptions  requestedOptions option @codeAlias @label @action  @startDate	01 11 01 01 01 01 0n 11 11	string dateTime dateTime string string OptionActio n dateTime		tariff plan label  Not applicable  Not applicable  list of options : ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true  Not applicable
activeTariffPlan  @codeAlias @label @startDate @endDate tariffOptions  requestedOptions option @codeAlias @label @action  @startDate @endDate	01 11 01 01 01 01 01 01	string dateTime dateTime string string OptionActio n dateTime dateTime		tariff plan label  Not applicable  Not applicable  list of options : ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true  Not applicable
activeTariffPlan  @codeAlias @label @startDate @endDate tariffOptions  requestedOptions option  @codeAlias @label @action  @startDate @endDate parameter	01 11 01 01 01 01 01 01	string dateTime dateTime string string OptionActio n dateTime dateTime string		tariff plan label  Not applicable  Not applicable  list of options: ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true  Not applicable
activeTariffPlan  @codeAlias @label @startDate @endDate tariffOptions  requestedOptions option @codeAlias @label @action  @startDate @endDate	01 11 01 01 01 01 01 01	string dateTime dateTime string string OptionActio n dateTime dateTime		tariff plan label  Not applicable  list of options: ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true  Not applicable
activeTariffPlan  @codeAlias @label @startDate @endDate tariffOptions  requestedOptions option  @codeAlias @label @action  @startDate @endDate parameter	01 11 01 01 01 01 01 01	string dateTime dateTime  string string OptionActio n dateTime dateTime string string string parameter		tariff plan label  Not applicable  Not applicable  list of options: ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true  Not applicable
activeTariffPlan  @codeAlias @label @startDate @endDate tariffOptions  requestedOptions option @codeAlias @label @action  @startDate @endDate parameter @code @label @status  plannedOptions	01 11 01 01 01 01 01 01	string dateTime dateTime string string OptionActio n dateTime dateTime string string		tariff plan label  Not applicable  list of options: ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true  Not applicable
activeTariffPlan  @codeAlias @label @startDate @endDate tariffOptions  requestedOptions option @codeAlias @label @action  @startDate @endDate parameter @code @label @status  plannedOptions option	01 11 01 01 01 01 01 01	string dateTime dateTime  string string OptionActio n dateTime dateTime string string string parameter		tariff plan label  Not applicable  Not applicable  list of options : ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true  Not applicable  Not applicable
activeTariffPlan  @codeAlias @label @startDate @endDate tariffOptions  requestedOptions option @codeAlias @label @action  @startDate @endDate parameter @code @label @status  plannedOptions	01 11 01 01 01 01 01 01	string dateTime dateTime  string string OptionActio n dateTime dateTime string string string parameter		tariff plan label  Not applicable  list of options: ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true  Not applicable
activeTariffPlan  @codeAlias @label @startDate @endDate tariffOptions  requestedOptions option @codeAlias @label @action  @startDate @endDate parameter @code @label @status  plannedOptions option	01 11 01 01 01 01 01 01	string dateTime dateTime string string OptionActio n dateTime dateTime string string string string string string string string string Farameter Status		tariff plan label  Not applicable  Not applicable  list of options : ONLY PRESENT if showDetailedTariffPlansAndOptions input param is true  Not applicable  Not applicable

111	@startDate	01	dateTime	Not applicable
	@endDate	01	dateTime	Not applicable
	parameter	0n	string	Not applicable
	@code	11	string	Not applicable
	@label	11	string	Not applicable
	@status	01	Parameter	Not applicable
			Status	
	tiveOptions	01		list of active options
	option	0n	atria a	option option
	@codeAlias @label	11	string	option alias option label
	@action	01	string OptionActio	Not applicable
	@ dollori	01	n	Not applicable
	@startDate	01	dateTime	Not applicable
	@endDate	01	dateTime	Not applicable
	parameter	0n	string	Not applicable
	@code	11	string	Not applicable
	@label	11	string	Not applicable
	@status	01	Parameter	Not applicable
device		01	Status	Device data
	ueldentifier	01	string30	Device unique identifier
	INumber	01	string150	Device serial number
conta		01	g.	Contact data
	ame	01	string150	Contact data  Contact name
_ I	nail	01	string150	Contact email address
_ I	none	01	string30	contact phone number
	municationModule	01	<u> </u>	Device communication module data
	and	01	string30	Brand of the communication module
mo	odel	01	string150	Model of the communication module
devic	ceLocation	01	string150	Device locating (where the device is attached to the machin
categ	norv	01	string30	Device category
	ription	01	string150	Device description
addre	<u>'</u>	01	string150	Device address (address of the building where the machine
	ceHolder	01	string150	Device holder
	teDate	01	dateTime	Date of the last update of the device data in the connectivity
араа	no Dato	01	datorinio	directory
machine	е	01		Machine data
seria	lNumber	01	string150	Machine serial number
name	е	01	string150	Machine name
desc	ription	01	string150	Machine description
upda	teDate	01	dateTime	Date of the last update of the machine data in the connective
	- ul -l - u- tifi - u	0		directory Customer identifiers
	erldentifier	0n 11	otrin a	Identifier type
type ident	ifior	11	string string	Identifier
	ohicPosition	01	String	Geolocation details
latitu		11	float	Latitude of geographic position. The unit is decimal degrees
iatita	do	11	noat	and Malima guarantees precision up to the 5th decimal digital
longit	tude	11	float	Longitude of geographic position. The unit is decimal degre
				and Malima guarantees precision up to the 5th decimal digi
lastG	GeolocDate	11	dateTime	Date of the last DIS response retrieving the geographic
30011	racy	11		position  Geolocation accuracy
accu	racy llue	11	int	The accuracy value
un		11	string	The accuracy unit
	nfoCompatibility	01	string	Device info compatibility.
	• •			This field is formatted as follows (position index start from t left):  - 1st character is set to 1 if the status of the sim allows Malima to request STS on the service SUPERVISION_LOCALIZATION. This character is set in the other case.
				<ul> <li>- 2nd character is set to 1 if the SIM is compatible with service SUPERVISION_LOCALIZATION. It is set to 0 is other case.</li> <li>- 3rd character is set to 1 if the SIM is compatible with the service IMEI alert</li> <li>- 3rd this field is equal to "110" then this sim has a status.</li> </ul>
lua avvual	inesIdentifiers	01		<ul> <li>e.g: if this field is equal to "110" then this sim has a status compatible with STS and it is compatible with the service SUPERVISION LOCALIZATION but it is not compatible with the service IMEI alert</li> <li>Collection of line identifiers given to the service that are</li> </ul>
ימיייטטאו	เองเนอเนเเฮเง	U I		unknown or do not belong to the Malima user
iknownL			string	List of subscription numbers
	criptionNumber	1n	Sung	The state of the s
[C] subso	erialNumber	1n 1n	string	List of SIM serial Numbers
ICI subso	erialNumber celmei		-	List of SIM serial Numbers List of device IMEI
subso colorisimSo	erialNumber	1n	string	List of SIM serial Numbers



<sup>[C]</sup> machineSerialNumber	1n	string	List of machine serial numbers
<sup>[C]</sup> iccid	1n	string	List of Integrated Circuit Card IDentifier
<sup>[C]</sup> msisdnVoice	1n		Voice MSISDN
СС	11	string	country code
sn	11	string	subscriber number
<sup>[C]</sup> msisdnData	1n		Data MSISDN
СС	11	string	country code
sn	11	string	subscriber number
msisdnFax	1n		Fax MSISDN
СС	11	string	country code
sn	11	string	subscriber number
UnknownImsi	01		Collection of Imsis given to the service that are unknow or do not belong to the Malima user
imsi	1n	string	List of imsi numbers

### 2.3. SOAP faults

### 2.3.1. MalimaErrorFault

Х	ML element	Card	Туре	Description
faultcode		11	string	Soap fault code
fa	ultstring	11	string	Soap fault error string
М	alimaError	11		
	code	11	string	Malima error code
	message	11	string	Malima error message

#### faultstring values :

- Une erreur Malima est survenue.
- Quota mensuel épuisé pour ce service.

#### Malima code and message values listing:

Code	Message
MLM_UNKNOWN_USER	L'utilisateur <user name=""> est inconnu de Malima.</user>
MLM_SOAP_HEADER_ERROR	Wrong parameter from IOSW-IAS call :< header fields in error >
MLM_QUOTA_EXCEEDED	Il vous reste <remaining authorized="" count="" hit="">/&lt; authorized hit count&gt; sollicitations autorisées pour ce service.</remaining>
CANNOT_CONNECT_TO_DATABASE	Accès impossible à la base de données.
MLM_DEFAULT_ERROR_CODE	"A Malima platform error occurred"

<soap error="" header="" message="" specific=""></soap>
Wrong parameters from IOSW-IAS call :< header fields in error >
Portal header in SOAP message is missing

## 2.3.2. TooManyLineIdentifiersFault

XML element	Card	Туре	Description
faultstring	11	string	Fault error string
TooManyLineIdentifiersError	11		
maxAllowedLineIdentifiersNumber	11	int	Maximum allowed line identifiers number

faultstring values : Le nombre d'identifiants de ligne est trop élevé (<maximum lines number> au maximum)



# $3.\,Search In Connectivity Directory$

# 3.1. Request

XML element	Car d	Туре	Deprecated since	Introduced in	Description
earchInConnectivityDirectory					
version	01	string		1.18	Since version 1.18, the notion of version is added:
					<ul> <li>"deprecated since": the element is no longer use since the indicated version</li> <li>"introduced in": the element is taken into account since the indicated version</li> </ul>
searchCriterion	01	1			Search criterion  * Each criterion (that has a alphanumeric type) can be partially completed. The search on the connectivity directory will take it as "search all the data that begin with" the given value.  For the type Msisdn, the country code must be complete, but the subscription number can be partially completed  * If no input parameters are filled, all the data of the connectivity directory of the Malima client must be returned
simSerialNumber	01	string			SIM serial number  * can be partially completed. The search on the connectivity directory will take it as "search all the data that begin with" the given value
simStatus	0n	string			SIM status
deviceCategory	01	string			Device category
deviceUniqueId	01	string			Device unique identifier
deviceSerialNumber	01	string			Device serial number
deviceHolder	01	string			Device holder
devicelmei	01	string			Device IMEI
communicationModuleBrand	01	string			Brand of the communication module
communicationModuleModel	01	string			Model of the communication module
machineSerialNumber	01	string			Machine serial number
machineName	01	string			Machine name
subcriptionIdentifier	01	string			Subscription identifier
iccid	01	string			Integrated Circuit Card IDentifier
msisdnData	01				MSISDN data
сс	11	string			country code
sn	11	string			subscriber number
msisdnVoice	01				MSISDN voice
СС	11	string			country code
sn	11	string			subscriber number
msisdnFax	01				MSISDN fax
СС	11	string			country code
sn	11	string			subscriber number
imsi	01	string			Current imsi for the subscription
simStatusChangeMinDate	01	dateTime			Minimum SIM status change date
simStatusChangeMaxDate	01	dateTime			Maximum SIM status change date
simStatusRefreshMinDate	01	dateTime			Minimum SIM status refresh (recalculation) date
simStatusRefreshMaxDate	01	dateTime			Maximum SIM status refresh (recalculation) date
requestedSimStatus	01	string			New SIM status requested
customInformation	0n	J			List of customizable fields
customLabel customValue	11 01	string string			The customizable field label (exact value search)  The customizable field value (exact value search). If not fille all lines with customLabel will be returned regardless the customValue.
user	01	string			The subscription user
userRef	01	string			The reference to the subscription user
showAttachmentNode	01	boolean			Not applicable
showStatusReason	01	boolean			Not applicable
showHierarchyDetail	01	boolean	1.18		Deprecated if the field "version" is present
					Otherwise:  If true, return the customer environment name in the response.
showDetailedTariffPlansAndOption s	01	boolean	1.18		If false or not present, do not return it.  Deprecated if the field "version" is present Otherwise:
					If true then the tariff plans and options will be returned. If not present then defaults to 'false'



showStatSimPerSimStatus	01	boolean	1.18	Deprecated if the field "version" is present
				Otherwise:
				If true then the number of SIM per SIMStatus will be returned If false or not present, do not return it.
showDeviceInfo	01	boolean	1.18	Deprecated if the field "version" is present
				Otherwise:
				If true the DIS data (last location and compatibility) will be returned.  If false or not present, do not return them.
showCustomInformations	01	boolean	1.18	Deprecated if the field "version" is present
				Otherwise:
				if true then customizable flieds will be returned. If not preser then defaults to 'false'
showlccid	01	boolean	1.18	Deprecated if the field "version" is present
				Otherwise:
				If true, return the ICCID in the response.  If false or not present, do not return it.
showlmsi	01	boolean	1.18	Deprecated if the field "version" is present
				Otherwise:
				If true, return the imsi in the response.  If false or not present, do not return it.
rangeSize	01	int		Maximum number of results to retrieve per response  * Must be >= 1  * Otherwise rangeSize is set to its max value
rangeStart	01	int		Index of the first result to retrieve  * Must be >= 0
sortCriterion	02			Result sorting criterion
order	11	SortOrder		Sorting order
attribute	11	SortAttribut		Data to sort on
		е		

## 3.2. Response

XML element	Card	Туре	Deprecated since	Introduced in	Description
earchInConnectivityDirectoryResponse					
connectivityDirectory	0n				Connectivity directory linked to one line  * If there are too many subscriptions corresponding to the input parameters (more than 100 subscriptions), the result must be paginated (with a limit of 100 subscriptions per page).
customerEnvironmentIdentifier	11	string			Customer environment identifier
customerEnvironmentName	01	string			The name of the customer environment
customerEnvironmentFiscalNumber	01	string			Not applicable
imsi	01	string			Current imsi for the subscription
iccid	01	string		1.18	ICCID
sim	01	_			Sim card data
serialNumber	01	string			Sim serial number
puk1	01	string			PUK code 1
puk2	01	string			PUK code 2
imei	01	string			Device IMEI
status	01	string			SIM status
statusReason	01	string			Not applicable
suspensionReason	01	string			SIM suspension reason
lastStatusRefreshDate	01	dateTime			Last SIM status refresh (recalculation) date  * The service must only use the known data contained in the connectivity directory of the Malima platform (no call to the country IS). So the field may be different to the current date (but equals to the last date where the subscription data have been updated).
lastStatusChangeDate	01	dateTime			Last SIM status change date
requestedStatus	01	string			New SIM status requested
statusChangeRequestDate	01	dateTime			Date of the SIM status change request
subscription	11				Subscription data
identifier	11	string			Subscription identifier
description	01				Subscription description
value	01	string	1.18		Subscription label ONLY PRESENT if showDetailedTariffPlansAndOptions input param is false
user	01	string			Malima user that own the subscription
userRef	01	string			Reference to the Malima user that own the subscription



	servi	ice	0n	string	1.18	List of the services linked to the subscription. If
-1				3		the label of the service is known, it's displayed;
						otherwise it's the code of service.
						ONLY PRESENT if
						showDetailedTariffPlansAndOptions input
						param is false
	custo	omInformation	0n			List of customizable fields
		customLabel	11	string		Label of the customizable field
		customValue		string		Value of the customizable field
n	odeldentil		01	string		Not applicable
-						
	onnection		01	dateTime		First network connection date
С	reationDa	ate	01	dateTime		Subscription creation date
n	nsisdnDat	a	01			Data MSISDN
<u> </u>	1			atrin a		
	CC		11	string		country code
	sn		11	string		subscriber number
n	nsisdnVoid	ce	01			Voice MSISDN
F	1			atria a		
	CC		11	string		country code
	sn		11	string		subscriber number
n	nsisdnFax	(	01			Fax MSISDN
-	1	•		otring		
	CC		11	string		country code
	sn		11	string		subscriber number
ts	ariffPlans		01			list of tariff plans : ONLY PRESENT if
10	ı ıaıı3		J 1			showDetailedTariffPlansAndOptions input
<u> </u>			<del> </del>			param is true
	request	tedTariffPlan	01			Not applicable
		@codeAlias	11	string		Not applicable
	1	@label			<del></del>	
			11	string		Not applicable
	planned	dTariffPlan	01			Not applicable
		@codeAlias	11	string		Not applicable
						• • •
		@label	11	string		Not applicable
	activeT	ariffPlan	01			
		@codeAlias	11	string	<del></del>	tariff plan alias
						•
		@label	11	string		tariff plan label
		@startDate	01	dateTime		Not applicable
		@endDate	01	dateTime		Not applicable
_				daterine		
ta	ariffOption	าร	01			list of options: ONLY PRESENT if
						showDetailedTariffPlansAndOptions input
						param is true
	roquest	tedOptions	01			Not applicable
	request					
		option	0n			Not applicable
		@codeAlias	11	string		Not applicable
		@label	11	-		Not applicable
				string		
		@action	01	OptionAction		Not applicable
		@startDate	01	dateTime		Not applicable
		@endDate	01	dateTime		Not applicable
		parameter	0n	string		Not applicable
		@code	11	string		Not applicable
		@label	11	-		Not applicable
				string		
1	1	@status	01	ParameterStatus		Not applicable
1			01			Not applicable
	planned	dOptions		+	+	Not applicable
	planned	•	0 n			HOL APPIICANIE
	planned	option	0n			Al a li i i
	planned	•	0n 11	string		Not applicable
	planned	option		-		
	planned	option @codeAlias @label	11 11	string		Not applicable
	planned	option  @codeAlias @label @action	11 11 01	string OptionAction		Not applicable Not applicable
	planned	option @codeAlias @label	11 11	string		Not applicable Not applicable Not applicable
	planned	option  @codeAlias @label @action	11 11 01	string OptionAction		Not applicable Not applicable
	planned	option  @codeAlias @label @action @startDate @endDate	11 11 01 01 01	string OptionAction dateTime dateTime		Not applicable Not applicable Not applicable Not applicable
	planned	option  @ codeAlias @label @ action @ startDate @ endDate parameter	11 11 01 01 01 0n	string OptionAction dateTime dateTime string		Not applicable Not applicable Not applicable Not applicable Not applicable
	planned	option  @codeAlias @label @action @startDate @endDate	11 11 01 01 01	string OptionAction dateTime dateTime		Not applicable
	planned	option  @ codeAlias @label @ action @ startDate @ endDate parameter	11 11 01 01 01 0n	string OptionAction dateTime dateTime string		Not applicable Not applicable Not applicable Not applicable Not applicable
	planned	option  @ codeAlias @ label @ action @ startDate @ endDate parameter  @ code @ label	11 11 01 01 01 0n 11	string OptionAction dateTime dateTime string string string string		Not applicable
		option  @ codeAlias @label @ action @ startDate @ endDate parameter  @ code @ label @ status	11 11 01 01 01 0n 11 11	string OptionAction dateTime dateTime string string		Not applicable
	planned	option  @ codeAlias @label @ action @ startDate @ endDate parameter  @ code @ label @ status	11 11 01 01 01 0n 11	string OptionAction dateTime dateTime string string string string		Not applicable
		option  @ codeAlias @ label @ action @ startDate @ endDate parameter @ code @ label @ status Options	11 11 01 01 0n 11 11 01	string OptionAction dateTime dateTime string string string string		Not applicable list of active options
		option  @codeAlias @label @action @startDate @endDate parameter @code @label @status  Options	11 11 01 01 01 0n 11 11	string OptionAction dateTime dateTime string string string ParameterStatus		Not applicable list of active options option
		option  @ codeAlias @ label @ action @ startDate @ endDate parameter @ code @ label @ status  Options  option  @ codeAlias	11 11 01 01 01 0n 11 11	string OptionAction dateTime dateTime string string string ParameterStatus		Not applicable list of active options option option alias
		option  @codeAlias @label @action @startDate @endDate parameter @code @label @status  Options	11 11 01 01 01 0n 11 11	string OptionAction dateTime dateTime string string string ParameterStatus		Not applicable list of active options option
		option  @ codeAlias @ label @ action @ startDate @ endDate parameter @ code @ label @ status  Options  option  @ codeAlias	11 11 01 01 01 0n 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string string string		Not applicable list of active options option option alias option label
		option  @codeAlias @label @action @startDate @endDate parameter @code @label @status  Options  option  @codeAlias @label @action	11 11 01 01 01 0n 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string string OptionAction		Not applicable list of active options option option alias option label Not applicable
		option  @codeAlias @label @action @startDate @endDate parameter   @code @label @status  Options  option  @codeAlias @label @action @startDate	11 11 01 01 01 0n 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string string OptionAction dateTime		Not applicable list of active options option option alias option label Not applicable Not applicable Not applicable
		option  @codeAlias @label @action @startDate @endDate parameter @code @label @status  Options  option  @codeAlias @label @action	11 11 01 01 01 0n 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string string OptionAction		Not applicable list of active options option option alias option label Not applicable
		option  @ codeAlias @ label @ action @ startDate @ endDate parameter   @ code @ label   @ status   options   option     @ codeAlias   @ label   @ action   @ startDate   @ action   @ startDate   @ endDate	11 11 01 01 0n 11 11 01 0	string OptionAction dateTime dateTime string string string ParameterStatus  string string OptionAction dateTime dateTime		Not applicable list of active options option option alias option label Not applicable
		option  @codeAlias @label @action @startDate @endDate parameter   @code   @label   @status   options   options   @codeAlias   @label   @action   @startDate   @endDate   parameter	11 11 01 01 01 0n 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string optionAction dateTime dateTime dateTime string		Not applicable list of active options option option alias option label Not applicable
		option  @codeAlias @label @action @startDate @endDate parameter @code @label @status  Options  option  @codeAlias @label @action @startDate @endDate parameter @endDate parameter @code	11 11 01 01 01 01 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string optionAction dateTime dateTime string		Not applicable list of active options option option alias option label Not applicable
		option  @codeAlias @label @action @startDate @endDate parameter   @code   @label   @status   options   options   @codeAlias   @label   @action   @startDate   @endDate   parameter	11 11 01 01 01 0n 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string optionAction dateTime dateTime dateTime string		Not applicable list of active options option option alias option label Not applicable
		option  @ codeAlias @ label @ action @ startDate @ endDate parameter   @ code @ label   @ status   options   option	11 11 01 01 01 11 11 01 01 01 01 01 01 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string optionAction dateTime dateTime dateTime string		Not applicable list of active options option option alias option label Not applicable
	activeO	option  @codeAlias @label @action @startDate @endDate parameter @code @label @status  Options  option  @codeAlias @label @action @startDate @endDate parameter @endDate parameter @code	11 11 01 01 01 01 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string optionAction dateTime dateTime string		Not applicable list of active options option option alias option label Not applicable
evic	activeO	option  @codeAlias @label @action @startDate @endDate parameter @code @label @status  Options  option  @codeAlias @label @action @startDate @endDate parameter @code @label @status	11 11 01 01 01 01 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string OptionAction dateTime dateTime string String OptionAction parameterStatus  string ParameterStatus		Not applicable list of active options option option alias option label Not applicable Device data
	activeO	option  @codeAlias @label @action @startDate @endDate parameter @code @label @status  Options  option  @codeAlias @label @action @startDate @endDate parameter @code @label @status	11 11 01 01 01 01 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string optionAction dateTime dateTime dateTime string		Not applicable list of active options option option alias option label Not applicable
u	activeO	option  @codeAlias @label @action @startDate @endDate parameter   @code @label @status  Options  option  @codeAlias @label @action @startDate @endDate parameter   @code   @label @action @startDate @endDate parameter   @code   @iabel   @status	11 11 01 01 01 01 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string OptionAction dateTime dateTime dateTime string String OptionAction dateTime string string string string string string string string string		Not applicable list of active options option option alias option label Not applicable Device data Device unique identifier
u s	activeO ee niqueIden	option  @codeAlias @label @action @startDate @endDate parameter   @code @label @status  Options  option  @codeAlias @label @action @startDate @endDate parameter   @code   @label @action @startDate @endDate parameter   @code   @iabel   @status	11 11 01 01 01 01 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string OptionAction dateTime dateTime string String OptionAction parameterStatus  string ParameterStatus		Not applicable list of active options option option alias option label Not applicable Device data Device unique identifier Device serial number
u s	activeO	option  @codeAlias @label @action @startDate @endDate parameter   @code @label @status  Options  option  @codeAlias @label @action @startDate @endDate parameter   @code   @label @action @startDate @endDate parameter   @code   @iabel   @status	11 11 01 01 01 01 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string OptionAction dateTime dateTime string String OptionAction dateTime string		Not applicable list of active options option option alias option label Not applicable Device data Device unique identifier Device serial number Contact data
u s	activeO ee niqueIden	option  @codeAlias @label @action @startDate @endDate parameter   @code @label @status  Options  option  @codeAlias @label @action @startDate @endDate parameter   @code   @label @action @startDate @endDate parameter   @code   @iabel   @status	11 11 01 01 01 01 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string OptionAction dateTime dateTime dateTime string String OptionAction dateTime string string string string string string string string string		Not applicable list of active options option option alias option label Not applicable Device data Device unique identifier Device serial number
u s	activeO  activeO  iniqueIdenterialNumbontact name	option  @codeAlias @label @action @startDate @endDate parameter   @code @label @status  Options  option  @codeAlias @label @action @startDate @endDate parameter   @code   @label @action @startDate @endDate parameter   @code   @iabel   @status	11 11 01 01 01 01 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string OptionAction dateTime dateTime string String ParameterStatus  string		Not applicable list of active options option option alias option label Not applicable Option Not applicable Not applicable Not applicable Not applicable Not applicable Contact data Contact data Contact name
u s	activeO  activeO  iniqueIdent erialNumbontact name email	option  @codeAlias @label @action @startDate @endDate parameter   @code @label @status  Options  option  @codeAlias @label @action @startDate @endDate parameter   @code   @label @action @startDate @endDate parameter   @code   @iabel   @status	11 11 01 01 01 01 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string OptionAction dateTime dateTime string string OptionAction dateTime string string150 string150		Not applicable list of active options option option alias option label Not applicable Option Not applicable Not applicable Not applicable Not applicable Contact data Contact data Contact name Contact email address
u s c	activeO  activeO  niqueIden erialNumb ontact name email phone	option  @codeAlias @label @action @startDate @endDate parameter   @code @label @status  Options  option  @codeAlias @label @action @startDate @endDate parameter   @code   @label @action @startDate @endDate parameter   @code   @iabel   @status	11 11 01 01 01 01 11 11	string OptionAction dateTime dateTime string string string ParameterStatus  string OptionAction dateTime dateTime string String ParameterStatus  string		Not applicable list of active options option option alias option label Not applicable Option Not applicable Not applicable Not applicable Not applicable Not applicable Contact data Contact data Contact name

Connectivity Directory Interface Description

Business Services orange

	brand	01	string30	Brand of the communication module
	model	01	string150	Model of the communication module
	deviceLocating	01	string150	Device locating (where the device is attached
	category	01	string30	the machine)  Device category
	description	01	string150	Device description
	address	01	string150	Device address (address of the building where
	addiess	01	Striig 100	the machine is)
	deviceHolder	01	string150	Device holder
	updateDate	01	dateTime	Date of the last update of the device data in the
				connectivity directory
ma	achine	01		Machine data
	serialNumber	01	string150	Machine serial number
	name	01	string150	Machine name
	description	01	string150	Machine description
	updateDate	01	dateTime	Date of the last update of the machine data in
	·			the connectivity directory
cus	stomerldentifier	0n		Customer identifiers
	type	11	string	Identifier type
	identifier	11	string	Identifier
ge	ographicPosition	01		Geolocation details
_	latitude	11	float	Latitude of geographic position. The unit is decimal degrees and Malima guarantees precision up to the 5 <sup>th</sup> decimal digit.
	longitude	11	float	Longitude of geographic position. The unit is decimal degrees and Malima guarantees precision up to the 5 <sup>th</sup> decimal digit.
	lastGeolocDate	11	dateTime	The date of the DIS response retrieving the geographic position
	accuracy	11		Geolocation accuracy
	value	11	int	The accuracy value
	unit	11	string	The accuracy unit
de	viceInfoCompatibility	01	string	Device info compatibility.
ue	vicennocompanismity	01	Suring	This field is formatted as follows (position indestart from the left):  - 1st character is set to 1 if the status of the
				sim allows Malima to request STS on the service SUPERVISION_LOCALIZATION. This character is set to 0 in the other case - 2nd character is set to 1 if the SIM is
				compatible with the service SUPERVISION_LOCALIZATION. It is set 0 in other case.
				- 3rd character is set to 1 if the SIM is compatible with the service IMEI alert
				e.g: if this field is equal to "110" then this sim has a status compatible with STS and it is compatible with the service SUPERVISION LOCALIZATION but it is not compatible with the service IMEI alert
Statu	usDistribution	01		Statistics of SIM per SIMStatus for the authenticated customerEnvironmentIdentifier. ONLY PRESENT if showStatSimPerSimStatuinput param is true
tota	alSimStatusNumber	1n	SimStatusStatistic	Number of SIM for SIMStatus='status'
	@status	11	SimStatus	SIM status
ultsN	lumberExceeded	11	boolean	True if the number of results is greater than the "rangeSize" request parameter False by default
	sultsNumber	11		Total number of results

## 3.3. SOAP faults

## 3.3.1. MalimaErrorFault

	XML element	Card	Туре	Description
faultcode		11	string	Soap fault code
faultstring	J	11	string	Soap fault error string
MalimaEr	ror	11		
	code	11	string	Malima error code
	message	11	string	Malima error message

### faultstring values :

- Une erreur Malima est survenue.
- Quota mensuel épuisé pour ce service.

#### Malima code and message values listing:

Connectivity Directory Interface Description

Code Message





### Orange

MLM_UNKNOWN_USER	L'utilisateur <user name=""> est inconnu de Malima.</user>
MLM_SOAP_HEADER_ERROR	Wrong parameter from IOSW-IAS call :< header fields in error >
CANNOT_CONNECT_TO_DATABASE	Accès impossible à la base de données.
MLM_QUOTA_EXCEEDED	Il vous reste < remaining authorized hit count>/< authorized hit count> sollicitations autorisées pour ce service.
MLM_DUPLICATE_CD_CUSTOM_FIELD_LABEL	"The following customized fields are in double: <list_duplicate_cd_custom_field>"</list_duplicate_cd_custom_field>
MLM_TOO_MANY_CD_CUSTOM_FIELD	"The number of customized fields is limited to <cd_max_customized_fields>"</cd_max_customized_fields>
MLM_UNKNOWN_CD_CUSTOM_FIELD	"Unknown customized fields : <unknown_field_list>"</unknown_field_list>

<soap error="" header="" message="" specific=""></soap>	
Wrong parameters from IOSW-IAS call :< header fields in error >	
Portal header in SOAP message is missing	



# 4. UpdateConnectivityDirectory

# 4.1. Request

XML element	Card	Туре	Description
ateConnectivityDirectory dataBySubscriptionNumber	1n		List of device data by subscription number
databySubscriptionNumber	111		*
subscriptionNumber	11	string	Subscription number
		Sg	* It's a search criteria
machineData	01		Description data of the machine
	<b>5</b>		* Data to modify
serialNumber	01	string150	Serial number
name	01	string150	Name
description	01	string150	Description
deviceData	01	311119130	Device data
devicebata	01		* Data to modify
uniqueldentifier	01	string30	Unique identifier
serialNumber	01	string150	Serial number
contact	01	String 150	Contact data
		atria = 450	
name	01	string150	Name
email	01	string150	E-mail
phone	01	string30	Phone number
communicationModule	01		Module description
brand	01	string30	Brand of module
model	01	string150	Model of module
deviceLocation	01	string150	Device locating
category	01	string30	Device category
description	01	string150	Device description
address	01	string150	Device address
deviceHolder	01	string150	Device holder
customInformation	0n	ouring roo	The customizable fields list
customLabel	11	string100	The customizable field label
customValue	01	string 100	The customizable field value. If not filled, the link between this line and custom
custom value	01	Stilligo4	information is deleted.
dataBySimSerialNumber	1n		List of device data by SIM serial number
simSerialNumber	11	string	SIM serial number
Simberialivumber	11	Stillig	* It's a search criteria
machineData	01		Description data of the machine
machineData	01		* Data to modify
serialNumber	0.1	otring 150	Serial number
	01	string150	
name	01	string150	Name
description	01	string150	Description
deviceData	01		Device data
			* Data to modify
uniqueldentifier	01	string30	Unique identifier
serialNumber	01	string150	Serial number
contact	01		Contact data
name	01	string150	Name
email	01	string150	E-mail
phone	01	string30	Phone number
communicationModule	01	_	Module description
			· ·
brand	01	string30	Brand of module
model	01	string150	Model of module
deviceLocation	01	string150	Device locating
category	01	string30	Device category
description	01	string150	Device description
address	01	string150	Device address
deviceHolder	01	string150	Device holder
customInformation	0n		The customizable fields list
customLabel	11	string100	The customizable field label
customValue	01	string64	The customizable field value. If not filled, the link between this line and custom
			information is deleted.
dataByDeviceImei	1n		List of device data by device IMEI
devicelmei	11	string	Device IMEI
			* It's a search criteria
machineData	01		Description data of the machine
			* Data to modify
serialNumber	01	string150	Serial number
name	01	string150	Name
description	01	string150	Description
deviceData	01	30111g 130	Device data
ucviocodia	U I		* Data to modify
			Dala 10 1110011V

I F		1	
serialNumber	01	string150	Serial number
contact	01		Contact data
name	01	string150	Name
email	01	string150	E-mail
phone	01	string30	Phone number
communicationModule	01	ourige o	Module description
		4 1 00	·
brand	01	string30	Brand of module
model	01	string150	Model of module
deviceLocation	01	string150	Device locating
category	01	string30	Device category
			<u> </u>
description	01	string150	Device description
address	01	string150	Device address
deviceHolder	01	string150	Device holder
customInformation	0n		The customizable fields list
customLabel	11	string100	The customizable field label
			The customizable field value. If not filled, the link between this line and custom
customValue	01	string64	
Lata D. Daniba Carlo Malanda a	4 -		information is deleted.
dataByDeviceSerialNumber	1n		List of device data by device serial number
deviceSerialNumber	11	string	Device serial number
			* It's a search criteria
machineData	01		Description data of the machine
	51		* Data to modify
a a wig IN learning a w	2 1	obvior or 4.50	·
serialNumber	01	string150	Serial number
name	01	string150	Name
description	01	string150	Description
deviceData	01	J	Device data
GOVIOODAIA	01		* Data to modify
			•
uniqueldentifier	01	string30	Unique identifier
serialNumber	01	string150	Serial number
contact	01		Contact data
name	01	string150	Name
		<u> </u>	
email	01	string150	E-mail
phone	01	string30	Phone number
communicationModule	01		Module description
brand	01	string30	Brand of module
model	01	string150	Model of module
deviceLocation	01	string150	Device locating
category	01	string30	Device category
description	01	string150	Device description
			Device address
address	01	string150	
deviceHolder	01	string150	Device holder
customInformation	0n		The customizable fields list
customLabel	11	string100	The customizable field label
customValue	01	string64	The customizable field value. If not filled, the link between this line and custom
odotom valdo	01	Stilligo	information is deleted.
dataByMsisdnVoice	1n		List of device data by MSISDN Voice
-			·
msisdnVoice	11		MSISDN Voice
			* It's a search criteria
cc	11	string	Country code
sn	11	string	Suscriber number
machineData	01	3	Description data of the machine
пантората	01		* Data to modify
	_		•
serialNumber	01	string150	Serial number
name	01	string150	Name
description	01	string150	Description
deviceData	01		Device data
GOVICODALA	01		* Data to modify
			•
uniqueldentifier	01	string30	Unique identifier
serialNumber	01	string150	Serial number
contact	01		Contact data
name	01	string150	Name
email	01	string150	E-mail
phone	01	string30	Phone number
communicationModule	01		Module description
brand	01	string30	Brand of module
model	01	string150	Model of module
deviceLocation	01	string150	Device locating
category	01	string30	Device category
description	01	string150	Device description
•			Device address
address	01	string150	
deviceHolder	01	string150	Device holder
customInformation	0n		The customizable fields list
customLabel	11	string100	The customizable field label
customValue			
cusiomyalle	01	string64	The customizable field value. If not filled, the link between this line and custom
odotom valdo	1		information is deleted.
	,		
dataByMachineSerialNumber	1n		List of device data by machine serial number
	1n 11	string	List of device data by machine serial number  Machine serial number  * It's a search criteria

Connectivity Directory Interface Description



	01		Description data of the machine  * Data to modify
serialNumber	01	string150	Serial number
name	01	string150	Name
description	01	string150	Description
<u> </u>		Stillig 150	Device data
deviceData	01		
			* Data to modify
uniqueldentifier	01	string30	Unique identifier
serialNumber	01	string150	Serial number
contact	01		Contact data
name	01	string150	Name
email	01	string150	E-mail
phone	01	string30	Phone number
communicationModule	01		Module description
brand	01	string30	Brand of module
model	01	string150	Model of module
deviceLocation	01	string150	Device locating
	01		•
category		string30	Device category
description	01	string150	Device description
address	01	string150	Device address
deviceHolder	01	string150	Device holder
customInformation	0n		The customizable fields list
customLabel	11	string100	The customizable field label
customValue	01	string64	The customizable field value. If not filled, the link between this line and custom
dete Du Davida al Lista de L			information is deleted.
dataByDeviceUniqueId	1n		List of device data by device unique identifier
deviceUniqueId	11	string	Device unique identifier
			* It's a search criteria
machineData	01		Description data of the machine
			* Data to modify
serialNumber	01	string150	Serial number
name	01	string150	Name
description	01	string150	Description
deviceData	01		Device data
			* Data to modify
uniqueldentifier	01	string30	Unique identifier
serialNumber	01	string150	Serial number
		String 150	
contact	01		Contact data
name	01	string150	Name
email	01	string150	E-mail
phone	01	string30	Phone number
communicationModule	01	J. J. J.	Module description
brand	01	otring20	Brand of module
		string30	
model	01	string150	Model of module
deviceLocation	01	string150	Device locating
category	01	string30	Device category
description	01	string150	Device description
address	01	string150	Device address
		string150	
		String 150	Device holder
deviceHolder	01	eumig i e e	
deviceHolder customInformation	01 0n		The customizable fields list
		string100	The customizable fields list The customizable field label
customInformation	0n	string100	The customizable field label
customInformation customLabel	0n 11		
customInformation customLabel customValue	0n 11 01	string100	The customizable field label  The customizable field value. If not filled, the link between this line and custom information is deleted.
customInformation customLabel customValue dataByMsisdnData	0n 11 01	string100 string64	The customizable field label  The customizable field value. If not filled, the link between this line and custom information is deleted.  List of device data by MSISDN data
customInformation customLabel customValue	0n 11 01	string100	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted. List of device data by MSISDN data MSISDN data
customInformation	0n 11 01 1n 11	string100 string64	The customizable field label  The customizable field value. If not filled, the link between this line and custom information is deleted.  List of device data by MSISDN data  MSISDN data  * It's a search criteria
customInformation customLabel customValue dataByMsisdnData	0n 11 01	string100 string64	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted. List of device data by MSISDN data MSISDN data * It's a search criteria  Description data of the machine
customInformation	0n 11 01 1n 11	string100 string64 string	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted. List of device data by MSISDN data MSISDN data * It's a search criteria  Description data of the machine * Data to modify
customInformation	0n 11 01 1n 11	string100 string64	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted. List of device data by MSISDN data MSISDN data * It's a search criteria  Description data of the machine
customInformation	0n 11 01 1n 11	string100 string64 string	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted. List of device data by MSISDN data MSISDN data * It's a search criteria  Description data of the machine * Data to modify
customInformation	0n 11 01 1n 11 01 01	string100 string64 string string150 string150	The customizable field label  The customizable field value. If not filled, the link between this line and custom information is deleted.  List of device data by MSISDN data  MSISDN data  * It's a search criteria  Description data of the machine  * Data to modify  Serial number  Name
customInformation	0n 11 01 1n 11 01 01 01	string100 string64 string	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted.  List of device data by MSISDN data  MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number  Name  Description
customInformation	0n 11 01 1n 11 01 01	string100 string64 string string150 string150	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted.  List of device data by MSISDN data  MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number  Name  Description  Device data
customInformation	0n 11 01 1n 11 01 01 01	string100 string64 string string150 string150 string150	The customizable field label  The customizable field value. If not filled, the link between this line and custom information is deleted.  List of device data by MSISDN data  MSISDN data  * It's a search criteria  Description data of the machine  * Data to modify  Serial number  Name  Description  Device data  * Data to modify
customInformation	0n 11 01 1n 11 01 01 01	string100 string64 string string150 string150 string150 string150	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted. List of device data by MSISDN data MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number Name Description Device data * Data to modify  Unique identifier
customInformation	0n 11 01 1n 11 01 01 01	string100 string64 string string150 string150 string150	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted. List of device data by MSISDN data MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number Name Description  Device data * Data to modify
customInformation	0n 11 01 1n 11 01 01 01	string100 string64 string string150 string150 string150 string150	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted. List of device data by MSISDN data MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number Name Description Device data * Data to modify  Unique identifier
customInformation	0n 11 01 1n 11 01 01 01	string100 string64 string150 string150 string150 string150 string150	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted. List of device data by MSISDN data MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number  Name Description Device data * Data to modify  Unique identifier  Serial number  Contact data
customInformation	0n 11 01 1n 11 01 01 01	string100 string64 string150 string150 string150 string30 string150 string150	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted.  List of device data by MSISDN data  MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number  Name  Description  Device data * Data to modify  Unique identifier  Serial number  Contact data  Name
customInformation	0n 11 01 1n 11 01 01 01	string100 string64 string150 string150 string150 string150 string150 string150 string150 string150	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted.  List of device data by MSISDN data  MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number  Name Description  Device data * Data to modify  Unique identifier  Serial number  Contact data  Name  E-mail
customInformation	0n 11 01 1n 11 01 01 01	string100 string64 string150 string150 string150 string30 string150 string150	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted. List of device data by MSISDN data MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number Name Description Device data * Data to modify  Unique identifier Serial number Contact data Name E-mail Phone number
customInformation	0n 11 01 1n 11 01 01 01	string100 string64 string150 string150 string150 string150 string150 string150 string150 string150	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted.  List of device data by MSISDN data  MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number  Name Description  Device data * Data to modify  Unique identifier  Serial number  Contact data  Name  E-mail
customInformation	0n 11 01 1n 11 01 01 01	string100 string64  string150 string150 string150 string150 string150 string150 string150 string30	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted. List of device data by MSISDN data MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number Name Description Device data * Data to modify  Unique identifier Serial number Contact data Name E-mail Phone number
customInformation	0n 11 01 1n 11 01 01 01	string100 string64 string64 string150 string150 string150 string150 string150 string150 string150 string30 string30	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted. List of device data by MSISDN data  MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number  Name  Description  Device data * Data to modify  Unique identifier  Serial number  Contact data  Name  E-mail  Phone number  Module description  Brand of module
customInformation	0n 11 01 1n 11 01 01 01	string100 string64 string64 string150 string150 string150 string150 string150 string30 string30 string30 string30 string30 string30	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted.  List of device data by MSISDN data  MSISDN data  * It's a search criteria  Description data of the machine  * Data to modify  Serial number  Name  Description  Device data  * Data to modify  Unique identifier  Serial number  Contact data  Name  E-mail  Phone number  Module description  Brand of module  Model of module
customInformation	0n 11 01 1n 11 01 01 01	string100 string64  string150 string150 string150 string150 string150 string150 string30 string30 string30 string30 string30 string30 string30 string30 string150 string150	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted.  List of device data by MSISDN data  MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number  Name  Description  Device data * Data to modify  Unique identifier  Serial number  Contact data  Name  E-mail  Phone number  Module description  Brand of module  Model of module  Device locating
customInformation	0n 11 01 1n 11 01 01 01	string100 string64 string64 string150 string150 string150 string150 string150 string30 string30 string30 string30 string30 string30	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted.  List of device data by MSISDN data  MSISDN data  * It's a search criteria  Description data of the machine  * Data to modify  Serial number  Name  Description  Device data  * Data to modify  Unique identifier  Serial number  Contact data  Name  E-mail  Phone number  Module description  Brand of module  Model of module
customInformation	0n 11 01 1n 11 01 01 01	string100 string64  string150 string150 string150 string150 string150 string150 string30 string30 string30 string30 string30 string30 string30 string30 string150 string150	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted.  List of device data by MSISDN data  MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number  Name  Description  Device data * Data to modify  Unique identifier  Serial number  Contact data  Name  E-mail  Phone number  Module description  Brand of module  Model of module  Device locating
customInformation	0n 11 01 1n 11 01 01 01	string100 string64 string64 string150 string150 string150 string150 string30 string30 string30 string30 string30 string150 string30 string150 string150 string150 string150 string150	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted.  List of device data by MSISDN data  MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number  Name  Description  Device data * Data to modify  Unique identifier  Serial number  Contact data  Name  E-mail  Phone number  Module description  Brand of module  Model of module  Device locating  Device category
customInformation	0n 11 01 1n 11 01 01 01	string100 string64  string150 string150 string150 string150 string150 string150 string30 string30 string30 string30 string30 string30 string30 string30 string30	The customizable field label The customizable field value. If not filled, the link between this line and custom information is deleted.  List of device data by MSISDN data  MSISDN data * It's a search criteria  Description data of the machine * Data to modify  Serial number  Name  Description  Device data * Data to modify  Unique identifier  Serial number  Contact data  Name  E-mail  Phone number  Module description  Brand of module  Model of module  Device category  Device description

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customLabel	11	string100	The customizable field label		
		string64	The customizable field value. If not filled, the link between this line and custom information is deleted.		
dataByMsisdnFax 1n			List of device data by MSISDN fax		
msisdnFax 11 string		string	MSISDN fax * It's a search criteria		
machineData 01			Description data of the machine * Data to modify		
serialNumber	01	string150	Serial number		
name	01	string150	Name		
description	01	string150	Description		
deviceData	01		Device data * Data to modify		
uniqueldentifier	01	string30	Unique identifier		
serialNumber	01	string150	Serial number		
contact	01		Contact data		
name	01	string150	Name		
email	01	string150	E-mail		
phone	01	string30	Phone number		
communicationModule	01		Module description		
brand	01	string30	Brand of module		
model	01	string150	Model of module		
deviceLocation	01	string150	Device locating		
category	01	string30	Device category		
description	01	string150	Device description		
address	01	string150	Device address		
deviceHolder	01	string150	Device holder		
customInformation	0n		The customizable fields list		
customLabel	11	string100	The customizable field label		
customValue	01	string64	The customizable field value. If not filled, the link between this line and custom information is deleted.		

# 4.2. Response

	XML element	Card	Туре	Description
dateConne	ectivityDirectoryResponse			
updates(	Completed	01		OK result
linel	dentifier	0n		Collection of line identifiers
	<sup>[C]</sup> subscriptionNumber	11	string	Suscription number
	<sup>[C]</sup> simSerialNumber	11	string	SIM serial number
	<sup>[C]</sup> devicelmei	11	string	Device IMEI
	<sup>[C]</sup> deviceSerialNumber	11	string	Device serial number
	<sup>[C]</sup> deviceUniqueId	11	string	Device unique identifier
	<sup>[C]</sup> machineSerialNumber	11	string	Machine serial number
	<sup>[C]</sup> msisdnVoice	11		MSISDN voice
	СС	11	string	Country code
	sn	11	string	Suscriber number
	<sup>[C]</sup> msisdnData	11		MSISDN data
	СС	11	string	Country code
	sn	11	string	Suscriber number
	<sup>[C]</sup> msisdnFax	11		MSISDN fax
	СС	11	string	Country code
	sn	11	string	Suscriber number
updates	Failed	01		KO result
fail		0n		Updates failed list
	lineIdentifier	11		Collection of line identifiers
	<sup>[C]</sup> subscriptionNumber	11	string	Suscription number
	<sup>[C]</sup> simSerialNumber	11	string	SIM serial number
	<sup>[C]</sup> devicelmei	11	string	Device IMEI
	<sup>[C]</sup> deviceSerialNumber	11	string	Device serial number
	<sup>[C]</sup> deviceUniqueId	11	string	Device unique identifier
	rcl machineSerialNumber	11	string	Machine serial number
	<sup>[C]</sup> msisdnVoice	11		MSISDN voice
	СС	11	string	Country code
	sn	11	string	Suscriber number
	<sup>[C]</sup> msisdnData	11		MSISDN data
	СС	11	string	Country code
	sn	11	string	Suscriber number
	<sup>[C]</sup> msisdnFax	11		MSISDN fax
	СС	11	string	Country code
	sn	11	string	Suscriber number
	errorCode	11	string	Error code
1	errorMessage	11	string	Error message



#### **Update CD failure reason:**

Code	Message
DEVICE_SERIALNUMBER_ALREADY_EXISTS	"A device with this serial number already exists."
MACHINE_SERIALNUMBER_ALREADY_EXISTS	"A machine with this serial number already exists."
DEVICE_UNIQUEID_ALREADY_EXIST	"A device with this unique identifier already exists."
IDENTIFIER_NOT_FOUND	"Identifier is unknown."
MLM_UNKNOWN_CD_CUSTOM_FIELD	"Unknown customized fields: <unknown_field_list>"</unknown_field_list>
MLM_DUPLICATE_CD_CUSTOM_FIELD_LABEL	"The following customized fields are in double: <list_duplicate_cd_custom_field>"</list_duplicate_cd_custom_field>
MLM_CUSTOM_CD_FIELDS_UNKNOWN_VALUE	"The possible value <value> doesn't exist for customized field <label>"</label></value>

## 4.3. SOAP faults

### 4.3.1. MalimaErrorFault

XML element		Card	Туре	Description	
faultcode		11	string	Soap fault code	
faultstring		11	string	Soap fault error string	
MalimaError		11			
code		11	string	Malima error code	
message 11 string		string	Malima error message		

#### faultstring values :

- Une erreur Malima est survenue.
- Quota mensuel épuisé pour ce service.

Code	Message
MLM_UNKNOWN_USER	L'utilisateur <user name=""> est inconnu de Malima.</user>
MLM_SOAP_HEADER_ERROR	Wrong parameter from IOSW-IAS call :< header fields in error >
MLM_QUOTA_EXCEEDED	Il vous reste < remaining authorized hit count > / < authorized hit count > sollicitations autorisées pour ce service.
CANNOT_CONNECT_TO_DATABASE	Accès impossible à la base de données.
MLM_DEFAULT_ERROR_CODE	"A Malima platform error occurred"
MLM_TOO_MANY_LINE_IDS	Le nombre d'identifiants de ligne est trop élevé ( <max line="" number="" of=""> au maximum)</max>

<soap error="" header="" message="" specific=""></soap>
Wrong parameters from IOSW-IAS call :< header fields in error >
Portal header in SOAP message is missing



## 5. Create customized fields

## 5.1. Request

		XML element	Card	Туре	Description
C	createCustomizedFields				
	cus	stomizedField	1n		The list of customized fields to create
		label	11	string100	The label of customized field definition
		possibleValue	1n	string64	List of possible values of definition

# 5.2. Response

XML element	Card	Туре	Description
createCustomizedFieldsResponse			
createCompletedList	01		OK results
label	1n	string	create completed list
createFailedList	01		KO results
createFailed	1n		create failed list
label	11	string	Label
errorCode	11	string	Error code
errorMessage	11	string	Error message

#### Create customized field failure reason:

Code	Message
MLM_CUSTOM_CD_FIELDS_ALREADY_EXIST	"The customized field <label> already exists."</label>
MLM_DUPLICATE_CD_CUSTOM_FIELD_LABEL	"The following customized fields are in double: <list_duplicate_cd_custom_field>"</list_duplicate_cd_custom_field>
MLM_DUPLICATE_CD_CUSTOM_POSSIBLE_VALUE	"The following customized possible values are in double: <li>clist_duplicate_cd_custom_possible_values&gt;"</li>
MLM_TOO_MANY_CD_CUSTOM_FIELD	"The number of customized fields is limited to <cd_max_customized_fields>"</cd_max_customized_fields>
MLM_TOO_MANY_CD_CUSTOM_POSSIBLE_VALUE	"The number of possible values is limited to <cd_max_customized_possible_value>"</cd_max_customized_possible_value>
MLM_BAD_FORMAT_CD_CUSTOM_FIELD	"Bad format of custom field: <bad_custom_field>. Expected format is: <format>."</format></bad_custom_field>
MLM_BAD_FORMAT_CD_CUSTOM_POSSIBLE_VALUE	"Bad format of possible values: <list_bad_possible_values>. Expected format is: <format>."</format></list_bad_possible_values>

## 5.3. SOAP faults

### 5.3.1. MalimaErrorFault

	XML element	Card	Туре	Description
faultcode		11	string	Soap fault code
faultstring		11	string	Soap fault error string
MalimaEr	ror	11		
	code	11	string	Malima error code
	message	11	string	Malima error message

**faultstring values :** A Malima plateform error has occured.

faultcode value: SOAP-ENV:Client or SOAP-ENV:Server following the problem comes from server or customer message.

#### $\label{eq:main_main} \textbf{Malima code and message values listing:} \\$

Code	Message				
MLM_UNKNOWN_USER	"The user <node id=""> is unknown to Malima"</node>				
MLM_SOAP_HEADER_ERROR	soap header error specific message>				
MLM_QUOTA_EXCEEDED	Remaining quota: <n> request(s).</n>				
CANNOT_CONNECT_TO_DATABASE	"Cannot connect to the core database"				
MLM_DEFAULT_ERROR_CODE	"A Malima platform error occurred"				

<soap error="" header="" message="" specific=""></soap>		
Wrong parameters from IOSW-IAS call :< header fields in error >		
Portal header in SOAP message is missing		



# 6. Update customized fields

## 6.1. Request

XML element	Card	Туре	Description
updateCustomizedFields			
customizedField	1n		The list of customized fields to update
currentLabel	11	string100	The current label of customized field definition
<sup>[c]</sup> updateLabel	11		Update label action
newLabel	11	string100	The new label of customized field definition
<sup>[C]</sup> addPossibleValues	11		Add possible value action
value	1n	string64	List of possible values of definition to add
<sup>[C]</sup> updatePossibleValues	11		Update possible value action
possibleValue	1n		List of possible values of definition to update
currentValue	11	string64	Current possible value of the definition
newValue	11	string64	New possible value of the definition
<sup>[C]</sup> deletePossibleValues	11		Delete possible value action
value	1n	string64	List of possible values of definition to delete

## 6.2. Response

XML element	Card	Туре	Description
updateCustomizedFieldsResponse			
updateCompletedList	01		OK results
label	1n	string	Update completed list
updateFailedList	01		KO results
updateFailed	1n		Update failed list
label	11	string	Label
errorCode	11	string	Error code
errorMessage	11	string	Error message

#### Update customized field failure reason:

Code	Message				
MLM_CUSTOM_CD_FIELDS_ALREADY_EXIST	"The customized field <new label=""> already exists."</new>				
MLM_CUSTOM_CD_POSSIBLE_VALUE_ALREADY_EXIST	"The possible value <possible value=""> already exists for customized field <label>"</label></possible>				
MLM_UNKNOWN_CD_CUSTOM_FIELD	"Unknown customized field: <unknown_field>"</unknown_field>				
MLM_CUSTOM_CD_FIELDS_UNKNOWN_VALUE	"The possible value <value> doesn't exist for customized field <label>"</label></value>				
MLM_TOO_MANY_CD_CUSTOM_POSSIBLE_VALUE	"The number of possible values is limited to <cd_max_customized_possible_value>"</cd_max_customized_possible_value>				
MLM_TOO_MANY_CD_CUSTOM_FIELD	"The number of customized fields is limited to <cd_max_customized_fields>"</cd_max_customized_fields>				
MLM_DUPLICATE_CD_CUSTOM_POSSIBLE_VALUE	"The following customized possible values are in double: <li><li><li>double: </li></li></li>				
MLM_DUPLICATE_CD_CUSTOM_FIELD_LABEL	"The following customized fields are in double: <list_duplicate_cd_custom_field>"</list_duplicate_cd_custom_field>				
MLM_MISSING_CD_CUSTOM_POSSIBLE_VALUE	"At least one possible value must be kept for customized field definition <label>"</label>				
MLM_BAD_FORMAT_CD_CUSTOM_FIELD	"Bad format of custom field: <bad_custom_field>. Expected format is: <format>."</format></bad_custom_field>				
MLM_BAD_FORMAT_CD_CUSTOM_POSSIBLE_VALUE	"Bad format of possible values: <li>st_bad_possible_values&gt;. Expected format is: <format>."</format></li>				

### 6.3. SOAP faults

### 6.3.1. MalimaErrorFault

	XML element	Card	Туре	Description
faultcode		11	string	Soap fault code
faultstring		11	string	Soap fault error string
MalimaEr	ror	11		
	code	11	string	Malima error code
	message	11	string	Malima error message

**faultstring values :** A Malima plateform error has occured.

faultcode value: SOAP-ENV:Client or SOAP-ENV:Server following the problem comes from server or customer message.

Code	Message				
MLM_UNKNOWN_USER	"The user <node id=""> is unknown to Malima"</node>				
Connectivity Directory Interface Description					



### Orange

MLM_SOAP_HEADER_ERROR	<soap error="" header="" message="" specific=""></soap>			
MLM_QUOTA_EXCEEDED	emaining quota : <n> request(s).</n>			
CANNOT_CONNECT_TO_DATABASE	Cannot connect to the core database"			
MLM DEFAULT ERROR CODE	"A Malima platform error occurred"			

soap header error specific message>	
rong parameters from IOSW-IAS call :< header fields in erro	r >
ortal header in SOAP message is missing	



## 7. Delete customized fields

## 7.1. Request

		XML element	Card	Туре	Description
C	lelete	eCustomizedFields			
	cus	stomizedField	1n		The list of customized fields to delete
		label	11	string	The label of customized field definition

## 7.2. Response

	XML element	Card	Туре	Description
del	deleteCustomizedFieldsResponse			
	deleteCompletedList			OK results
	label	1n	string	Delete completed list
	deleteFailedList	01		KO results
	deleteFailed	1n		Delete failed list
	label	11	string	Label
	errorCode	11	string	Error code
	errorMessage	11	string	Error message

#### Delete customized field failure reason :

Code	Message
MLM_UNKNOWN_CD_CUSTOM_FIELD	"Unknown customized field: <unknown_field>"</unknown_field>
MLM_DUPLICATE_CD_CUSTOM_FIELD_LABEL	"The following customized fields are in double: <list_duplicate_cd_custom_field>"</list_duplicate_cd_custom_field>

### 7.3. SOAP faults

### 7.3.1. MalimaErrorFault

	XML element	Card	Туре	Description
faultcode		11	string	Soap fault code
faultstring	I	11	string	Soap fault error string
MalimaEr	ror	11		
	code	11	string	Malima error code
	message	11	string	Malima error message

 $\begin{picture}(100,00) \put(0,0){$a$} \put(0,$ 

faultcode value: SOAP-ENV:Client or SOAP-ENV:Server following the problem comes from server or customer message.

Code	Message
MLM_UNKNOWN_USER	"The user <node id=""> is unknown to Malima"</node>
MLM_SOAP_HEADER_ERROR	<soap error="" header="" message="" specific=""></soap>
MLM_QUOTA_EXCEEDED	Remaining quota : <n> request(s).</n>
CANNOT_CONNECT_TO_DATABASE	"Cannot connect to the core database"
MLM_DEFAULT_ERROR_CODE	"A Malima platform error occurred"

<soap error="" header="" message="" specific=""></soap>
Wrong parameters from IOSW-IAS call :< header fields in error >
Portal header in SOAP message is missing



## 8. Consult list of customized fields

## 8.1. Request

XML element	Card	Туре	deprecated since	introduced in	Description
getCustomizedFields					
version	01	string		1.18	Since version 1.18, the notion of version is added:  • "deprecated since": the element is no longer used since the indicated version  • "introduced in": the element is taken into account since the indicated version
customizedField	0n				If not filled, all customized fields of authenticated user will be returned.
label	11	string			The customized field label (exact value search).
showCount	01	boolean	1.18		Deprecated if the field "version" is present Otherwise:  If this flag is set to true, Malima computes for each customized field the number of subscription that have the customized value. By default, this flag is set to false, and Malima must not compute this statistic.

## 8.2. Response

	XML element	Card	Туре	Description
get	getCustomizedFieldsResponse			
(	customizedField	0n		List of customized fields found
	label	11	string	The customized field label
	possibleValue	1n		List of customized field's possible values
	value	11	string	The value
	count	01	int	The number of lines linked to this custom value
Ī	unknownCustomizedFields	01		List of unknown customized fields
	customizedLabel	1n	string	The unknown customized field label

### 8.3. SOAP faults

### 8.3.1. MalimaErrorFault

XML element	Card	Туре	Description
faultcode		string	Soap fault code
faultstring		string	Soap fault error string
MalimaError			
code	11	string	Malima error code
message	11	string	Malima error message

**faultstring values :** A Malima plateform error has occured.

faultcode value: SOAP-ENV:Client or SOAP-ENV:Server following the problem comes from server or customer message.

Code	Message
MLM_UNKNOWN_USER	"The user <node id=""> is unknown to Malima"</node>
MLM_SOAP_HEADER_ERROR	<soap error="" header="" message="" specific=""></soap>
MLM_QUOTA_EXCEEDED	Remaining quota : <n> request(s).</n>
CANNOT_CONNECT_TO_DATABASE	"Cannot connect to the core database"
MLM_DEFAULT_ERROR_CODE	"A Malima platform error occurred"

<soap error="" header="" message="" specific=""></soap>
Wrong parameters from IOSW-IAS call :< header fields in error >
Portal header in SOAP message is missing



# 9. Get Nodes Ancestry

## 9.1. Request

	XML element	Card	Туре	Description
getNode	esAncestry			
nodel	dentifier	1n	string	Node Uid

## 9.2. Response

Not applicable. Returns an Soap fault

### 9.3. SOAP faults

### 9.3.1. MalimaErrorFault

	XML element	Card	Туре	Description
faultcode		11	string	Soap fault code
faultstring		11	string	Soap fault error string
MalimaError		11		
	code	11	string	Malima error code
	message	11	string	Malima error message

**faultstring values :** A Malima plateform error has occured.

faultcode value: SOAP-ENV:Client or SOAP-ENV:Server following the problem comes from server or customer message.

Code	Message
MLM_UNKNOWN_USER	"The user <node id=""> is unknown to Malima"</node>
MLM_SOAP_HEADER_ERROR	<soap error="" header="" message="" specific=""></soap>
MLM_QUOTA_EXCEEDED	Remaining quota : <n> request(s).</n>
CANNOT_CONNECT_TO_DATABASE	"Cannot connect to the core database"
MLM_DEFAULT_ERROR_CODE	"A Malima platform error occurred"
MLM_TOO_MANY_LINE_IDENTIFIERS	"The number of line identifiers is too high.( <n> maximum authorized)"</n>

<soap error="" header="" message="" specific=""></soap>
Wrong parameters from IOSW-IAS call :< header fields in error >
Portal header in SOAP message is missing



# 10. SubmitConnectivityDirectoryExport

# 10.1.Request

XML element Card		Card	Туре	Description	
SubmitConnectivityDirectoryExport					
	returnDataDefinition				
	columnDefinition		1n		
		id	11	string	The id of column (used in generated file). See possible values in Column definition
		name	01	string	The name of column must be return in header of generated file; if provided, it replace id

### 10.1.1. Column definition

0.1	
Column definition id	Return format
SIM_SERIAL_NUMBER	
SIM_ICCID	
SIM_PUK_1	
SIM_PUK_2	
SIM_STATUS	
SIM_SUSPENSION_REASON	
SIM_LAST_STATUS_REFRESH_DATE	
SIM_LAST_STATUS_CHANGE_DATE	
SIM_REQUESTED_STATUS	
SIM_STATUS_CHANGE_REQUEST_DATE	
SIM_DEVICE_INFO_LAST_KNOWN_LATITUDE	
SIM_DEVICE_INFO_LAST_KNOWN_LONGITUDE	
SIM_DEVICE_INFO_LAST_LOCALIZATION_DATE	
SIM_DEVICE_INFO_COMPATIBILITY	
SUB_IDENTIFIER	
SUB_CREATION_DATE	
SUB_CONNECTION_DATE	
SUB_MSISDN_DATA	
SUB_MSISDN_VOICE	
SUB_MSISDN_VOICE	
SUB_MSISDN_FAX	
SUB_IMSI	
SUB_USER	
SUB_USER_REF	
DEVICE_UNIQUE_IDENTIFIER	
DEVICE_SERIAL_NUMBER	
DEVICE_IMEI	
DEVICE_LOCATION	
DEVICE_CATEGORY	
DEVICE_DESCRIPTION  DEVICE_ADDRESS	
DEVICE_ADDRESS  DEVICE_HOLDER	
DEVICE_CONTACT_NAME	
DEVICE_CONTACT_EMAIL	
DEVICE_CONTACT_EMAIL  DEVICE_CONTACT_PHONE	
DEVICE_COM_MOD_BRAND	
DEVICE_COM_MOD_BRAND  DEVICE_COM_MOD_MODEL	
DEVICE_UPDATE_DATE	
MACHINE_SERIAL_NUMBER	
MACHINE_NAME	
MACHINE_NAME  MACHINE_DESCRIPTION	
MACHINE_UPDATE_DATE	



### Orange

CUSTOMER_IDENTIFIER	
CUSTOMER_ENVIRONMENT_IDENTIFIER	
CUSTOMER_ENVIRONMENT_NAME	
CUSTOMIZED_FIELDS	
SUB_ACTIVE_TARIFF_PLAN	
SUB_ACTIVE_OPTIONS	

## 10.2.Response

XML element	Card	Туре	Description
SubmitConnectivityDirectoryExportResponse			
ticketNumber	11	int	Ticket number

## 10.3.SOAP faults

### 10.3.1. MalimaErrorFault

	XML element		Туре	Description
faultcode	faultcode		string	Soap fault code
faultstring	faultstring		string	Soap fault error string
MalimaE	MalimaError			
	code	11	string	Malima error code
	message	11	string	Malima error message

faultstring values: A Malima plateform error has occured.

faultcode value: SOAP-ENV:Client or SOAP-ENV:Server following the problem comes from server or customer message.

Code	Message
MLM_UNKNOWN_USER	"The user <node id=""> is unknown to Malima"</node>
MLM_DATA_COLUMN_ DEFINITION	"The column definition is not valid"
MLM_SOAP_HEADER_ERROR	<soap error="" header="" message="" specific=""></soap>
MLM_DEFAULT_ERROR_CODE	"A Malima platform error occurred"

<soap error="" header="" message="" specific=""></soap>
Wrong parameters from IOSW-IAS call :< header fields in error >
Portal header in SOAP message is missing



# 11. GetConnectivityDirectoryExport

## 11.1.Request

XML element	Card	Туре	Description
GetConnectivityDirectoryExport			
ticketNumber	11	int	Ticket number

## 11.2.Response

_	XML element			Card	Туре	Description
Ge	GetConnectivityDirectoryExport Response					
	exportResult			11		
	processingStatus		11	TicketStatusType	Ticket processing status	
	fi	ileName		01	string	The exported file name with extension
	е	error		01		
			code	11	string	Error code
			message	11	string	Error message

### 11.3.SOAP faults

#### 11.3.1. MalimaErrorFault

	XML element	Card	Туре	Description
fa	faultcode		string	Soap fault code
fa	faultstring		string	Soap fault error string
MalimaError		11		
	code	11	string	Malima error code
	message	11	string	Malima error message

faultstring values: A Malima plateform error has occured.

faultcode value: SOAP-ENV:Client or SOAP-ENV:Server following the problem comes from server or customer message.

Malima code and message values listing:

The state of the s						
Code	Message					
MLM_UNKNOWN_USER	"The user <node id=""> is unknown to Malima"</node>					
MLM_SOAP_HEADER_ERROR	Wrong parameter from IOSW-IAS call :< header fields in error >					
MLM_INTERNAL_ERROR	A Malima plaforme error occured					

<soap error="" header="" message="" specific=""></soap>
Some input parameters in portal header are not valid: <header error="" fields="" in=""></header>
Portal header in SOAP message is missing

#### 11.3.2. UnknownTicketFault

#### Unknown ticket number

XML element	Card	Туре	Description
faultcode	11	string	Soap fault code
faultstring	11	string	Soap fault error string
UnknownTicketError	11		
ticketNumber	11	int	The unknown ticket number

**faultstring value**: Ticket <ticket number> is unknown

### 11.3.3. ResultAlreadyRetrievedFault

If a user tries to retrieve a result he has already retrieved

XML element	Card	Туре	Description
faultcode	11	string	Soap fault code
faultstring	11	string	Soap fault error string
ResultAlreadyRetrievedError	11		
retrievalDate	11	dateTime	The first retrieval date

faultstring value: Result already retrieved on <fisrt retrieval date>.

