



Malima



Orange

Session History Interface Description

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Description of the document

Ownership	
Client	Orange
Project title	Malima
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Version history

IC Version	GooRooCoo	WSDL version	Description	Date
S1F0			Creation	15/02/2010
S1F1			update GetSH reponse, add services SubmitSessionHistoryExport and GetSessionHistoryExport	24/03/2010
S1F2			Changed SubmitSessionHistoryExport into SubmitFileSessionHistory and GetSessionHistoryExport into GetFileSessionHistory	02/04/2010
S1F3			Add methods : SubmitBillingAccountInfo and getBillingAccountInfo Update methods GetSessionHistory abd GetFileSessionHistory	23/04/2010
S1F4			MLM_QUOTA_EXCEEDED error code added	21/05/2010
S1F5			Add <i>processingStatus</i> attribute into GetBillingAccountInformation response Delete billing information into GetFileSessionHistory response Update enum White Zone Prefix, PdpContextType et BearerType : INCONNU -> NA	24/05/2010
S1F6			Delete Task Status WAITING_FOR_EXT_SYSTEM_PROCESSING	10/06/2010
S1F7			Delete methods linked to billingAccount and mode FILE (SH_V2)	18/06/2010
S1F8			Update GetSH-resp : imei session changed from 1..1 to 0..1	29/07/2010
S1F9			Modify document properties	05/11/2010
S1F10			Fix error message into sumitSH - faults	23/11/2010
S1F11			Useless field lastStatusChangeDate into GetSH response deleted	04/03/2010
S1F12		2.1	MLM_SOAP_HEADER_ERROR error code added	18/03/2011

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1. Introduction

1.1. Subject of the document

The purpose of this document is to define the Session History 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.
SH	Session History
TicketStatusType	Enumerated type. Values are : WAITING WORK_IN_PROGRESS TERMINATED ERROR
SimStatus	String Possible values are : <ul style="list-style-type: none">PRE_ACTIVATEDACTIVATED_FOR_TESTACTIVATEDSLEEPINGSUSPENDEDCANCELLED
communicationWay	Enumerated type. Values are : <ul style="list-style-type: none">MOBILE_ORIGINATEDMOBILE_TERMINATED
BearerType	Enumerated type. Values are : <ul style="list-style-type: none">FIXED_SERVICE_COMPLEMENTVOICEWIFIVALUE_BASED_COMMUNICATIONSMSMMSMULTIMEDIA_PURCHASECONSUMPTION_TRACKINGGPRS_EDGEUMTS_3GFAXUNKNOWNNA
WhiteZonePrefix	Enumerated type. Values are : <ul style="list-style-type: none">NATIONALINTERNATIONALUNKNOWNMOBILE_STATION_ROAMING_NUMBERNA
PdpContextType	Enumerated type. Values are : <ul style="list-style-type: none">IPV4IPV6PPPUNKNOWNNA

SortAttribute	Enumerated type. Values are : <ul style="list-style-type: none">SIM_STATUSSTATUS_CHANGE_DATESIM_SSNCONTACTDEVICE_UNIQUE_IDENTIFIERSUB_CONNECTION_DATESUB_CREATION_DATE
string30	String limited to 30 characters
string150	String limited to 150 characters

1.3. Reference documents

N°	Title	Reference	Version

2. SubmitSessionHistoryRequest

2.1. Request

XML element	Card	Type	Deprecated since	Introduced in	Description
submitSessionHistoryRequest					
linelIdentifier	1..1				A line identifier
^[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 number
^[C] deviceUniqueId	1..1	string			Device Unique Id
^[C] machineSerialNumber	1..1	string			Machine serial number
^[C] msisdVoice	1..1				Voice MSISDN
	cc	1..1	string		Country code
	sn	1..1	string		Subscription number
^[C] msisdData	1..1				Data MSISDN
	cc	1..1	string		Country code
	sn	1..1	string		Subscription number
^[C] msisdFax	1..1				Fax MSISDN
	cc	1..1	string		Country code
	sn	1..1	string		Subscription number
periodStartDateTime	1..1	dateTime			Search period start date/time
periodEndDateTime	1..1	dateTime			Search period end date/time

2.2. Response

XML element	Card	Type	Deprecated since	Introduced in	Description
submitSessionHistoryResponse					
ticketNumber	1..1	string			Ticket number

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 :

- Une erreur Malima est survenue.
- SOAP-ENV:Client ou SOAP-ENV:Server selon que le problème provienne du serveur ou du message client.

Malima code and message values listing :

Code	Message
MLM_UNKNOWN_USER	L'utilisateur <user name> est inconnu de Malima.
CANNOT_CONNECT_TO_DATABASE	Accès impossible à la base de données.
MLM_TICKET_CREATION	La création du ticket a échoué.
MLM_SOAP_HEADER_ERROR	Wrong parameter from IOSW-IAS call :< header fields in error >
CANNOT_CONNECT_TO_CRA_DATABASE	Accès impossible à la base de données des CRAs.
MLM_QUOTA_EXCEEDED	Quota restant : <N> sollicitations.

2.3.2. InvalidPeriodErrorFault

XML element	Card	Type	Description
faultcode	1..1	string	Soap fault code
faultstring	1..1	string	Soap fault error string
InvalidPeriodError	1..1		
message	1..1	string	error message

faultstring values : Période de recherche non valide.
faultcode value : SOAP-ENV:Client ou SOAP-ENV:Server selon que le problème provienne du serveur ou du message client

Malima error messages listing :
La date de fin est antérieure à la date de début.
La date de début de recherche remonte à plus de <n> jours (n=180 paramètre configurable de Malima)
La durée de la période de recherche excède <n> jours (n=31 paramètre configurable de Malima)

2.3.3. UnknownLineIdentifierFault

XML element		Card	Type	Description
faultcode		1..1	string	Soap fault code
faultstring		1..1	string	Soap fault error string
UnknownLineIdentifierError		1..1		
	lineIdentifier	1..1	string	The unknown line identifier

faultstring value : Identifiant de ligne inconnu.
faultcode value : SOAP-ENV:Client ou SOAP-ENV:Server selon que le problème provienne du serveur ou du message client

3. GetSessionHistory

3.1. Request

XML element	Card	Type	Deprecated since	Introduced in	Description
getSessionHistory					
ticketNumber	1..1	string			Ticket number

3.2. Response

XML element	Card	Type	Deprecated since	Introduced in	Description
getSessionHistoryResponse					
globalProcessingStatus	1..1	TicketStatusType			Ticket global processing status
errorCode	0..1	string			Error Code
errorMessage	0..1	string			Error Message
line	0..1				Line data
customerIdentifier	0..n				List of secondary customer identifiers
type	1..1	string			Identifier type
identifier	1..1	string			Identifier
subscription	1..1				Subscription details
identifier	1..1	string			Subscription identifier
description	0..1				Subscription description
value	0..1	string			Description
user	0..1	string			User of the subscription
userRef	0..1	string			User reference
service	0..n	string			List of services
creationDate	0..1	dateTime			Subscription creation date/time
connectionDate	0..1	dateTime			First network connection date
msisdndata	0..1				Data MSISDN
cc	1..1	string			Country code
sn	1..1	string			Subscription number
msisdnvvoice	0..1				Voice MSISDN
cc	1..1	string			Country code
sn	1..1	string			Subscription number
msisdnfax	0..1				Fax MSISDN
cc	1..1	string			Country code
sn	1..1	string			Subscription number
sim	0..1				Sim data
status	1..1	SimStatus			Sim status
lastStatusRefreshDate	1..1	dateTime			Last status refresh (calculation) date
serialNumber	0..1	string			Sim serial number
imei	0..1	string			IMEI number
device	0..1				Device data
uniqueIdentifier	0..1	string30			Device unique identifier
serialNumber	0..1	string150			Device serial number
machineIdentifier	0..1	string			Machine identifier
sessions	0..n				Sessions
periodStartDateTime	1..1	dateTime			Search period start date/time
periodEndDateTime	1..1	dateTime			Search period end date/time
totalNumberOfResults	1..1	int			Total results number
firstSessionDateTime	0..1	dateTime			Date/time of the first session found
lastSessionDateTime	0..1	dateTime			Date/time of the last session found
numberOfRemainingResults	1..1	int			Number of remaining results to retrieve
session	0..n				Sessions data
communicationWay	1..1	communicationWay			Communication way
emissionDate	1..1	dateTime			First emission date/time
imei	0..1	string			imei (Terminal identifier)
bearerType	1..1	BearerType			Bearer type
originatedCountry	1..1	string			Country from which the call is originated (label)
originatedCountryMcc	0..1	int			Country MCC
operator	0..1	string			Mobile operator (for foreign CDR only)
durationInSeconds	0..1	int			Duration in seconds
volumeInInBytes	0..1	long			volume IN In Bytes
volumeOutInBytes	0..1	long			Volume OUT in Bytes
apn	0..1	string			Access Point Name (Network identifier) / Access Point Name (Operator identifier)
pdpAddress	0..1	string			PDP address (GPRS specific)
pdpContextType	0..1	PdpContextType			PDP Context Type
msisdnEmission	0..1	string			Calling number

		currentMsisdnFlag	0..1	boolean			true if msisdnEmission = 1 of 3 MSISDN of Malima DB, else false
		currentMsisdnFlagCheckDate	0..1	dateTime			currentMsisdnFlag date
		ggsnAddress	0..1	string			GGSN Address
		sgsnAddress	0..1	string			SGSN Address
		sgsnAddress2	0..1	string			SGSN Additional Address
		lac	0..1	int			Location Area Code
		cellId	0..1	int			Cell (BTS) identifier
		efficiencyIndicator	0..1	boolean			true=successful, false=unsuccessful
		whiteZonePrefix	0..1	WhiteZone			White Zone

3.3. SOAP faults

3.3.1. 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 value : Une erreur Malima est survenue.
faultcode value : SOAP-ENV:Client ou SOAP-ENV:Server selon que le problème provienne du serveur ou du message client

Malima code and message values listing :

Code	Message
MLM_UNKNOWN_USER	L'utilisateur <user name> est inconnu de Malima.
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.

3.3.2. UnknownTicketFault

XML element	Card	Type	Description
faultcode	1..1	string	Soap fault code
faultstring	1..1	string	Soap fault error string
UnknowTickerError	1..1		
ticketNumber	1..1	string	The unknown ticket number

faultstring value : Le ticket <ticket number> est inconnu..
faultcode value : SOAP-ENV:Client ou SOAP-ENV:Server selon que le problème provienne du serveur ou du message client

3.3.3. UnknownLineIdentifierFault

XML element	Card	Type	Description
faultcode	1..1	string	Soap fault code
faultstring	1..1	string	Soap fault error string
ResultAlreadyRetrievedError	1..1		
lineIdentifier	1..1	date	The first retrieval date

faultstring value : Le résultat a déjà été récupéré le <firsrt retrieval date>.
faultcode value : SOAP-ENV:Client ou SOAP-ENV:Server selon que le problème provienne du serveur ou du message client

3.4. Ticket errors

Code	Message
MLM_INTERNAL_ERROR	A Malima platform error has occured.

3.5. Task errors

Code	Message
MLM_INTERNAL_ERROR	An error occured while processing an Ordering task.