

SendWS23 User Guide

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2 Change history

Rev	Date	By	Changes from previous release
1.0	2007-11-06	KCN	Created from SendWS. Modified with SendWS2.
1.1	2008-02-12	LH	Added MMS, Wap Push and Alert SMS. Created SendWS21
1.2	2008-08-25	LH	Added primarySmsDeliveryTime, secondarySmsDeliveryTime to RecipientResult. Created SendWS22
1.2b	2008-10-14	KCN	Fixed spelling mistake for method createFaxSending, parameter fileData.
1.2c	2008-10-20	KCN	CreateSending, GeneralParam is required.
1.2d	2008-11-18	LH	Added MobileCharging.

3 Introduction

This document describes the SOAP interface to the Send-platform. Platform has two additional protocol interfaces; the protocol interface, which is an old HTTP/XML interface, and the previous SOAP interface called SendWS.

This SOAP interface is supposed to replace the both previous protocol interfaces.

4 WSDL and documentation

This interface can be reached at two different servers which are connected to the Internet via two different ISPs. You can choose to access this service via HTTP or HTTPS. We recommend that you write your program so you automatically can switch between the both servers for redundancy.

You can find links to the WSDL and this documentation from the following URLs.

4.1 HTTPS

<https://ws1.sp247.net/sendws23>
<https://ws2.sp247.net/sendws23>

4.2 HTTP

<http://ws1.sp247.net/sendws23>
<http://ws2.sp247.net/sendws23>

5 Methods in the Web Service

All methods are listed below with their parameters and all possible response codes are also given here.

The response codes are given with a major and minor response code. The major code is a general code and the minor code is a more detailed description, for instance that a parameter was missing or wrong.

Required parameters are marked with **bold** text.

If a parameter isn't to be used just send **null** or **-1** for a numeric parameter.

5.1 CancelSending

This method is used to cancel a sending currently in progress or waiting to be started.

If a sending is in progress it will be stopped as soon as possible.

5.1.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
sendingId	Numeric, long	The id given upon creation of a sending.

5.1.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successfully cancelled sending.
2	1000	Not logged in.
6	1024	The id given was not valid or belongs to another customer than the one logged in.
6	1000	General response code for failure of cancellation of sending.

5.1.3 Response

The response to this request is a Result object.

5.2 CreateAlertSmsSending

This method is a convenient way to create an Alert SMS sending (also called Flash SMS). Only Alert SMS can be sent if this method is used. The parameters that can't be set in this method will be gotten from the user profile, for instance if priority is set to -1, the priority used will be gotten from the profile (50 - Normal by default and if not changed).

5.2.1 Parameters

Parameter	Data type	Description
sendingName	String	The name of this sending, if not set it will be set to the current date and time.
singleRecipients	Recipient[]	The recipients of this sending.
smsMessage	String	The SMS message to send.
priority	Numeric, int	The priority of the sending. Can be 25 (High), 50 (Normal) or 75 (Low). Low priority will result in that the sending is created at a time that suits the system, normally at 18:00 GMT +1.
senderText	String	Use this parameter to set a string to show as originator to the SMS recipient.
verify	boolean	This flag indicates if SMS verify should be used or not.
preventDuplicates	boolean	This flag is used to indicate that the Send system shall clean out eventual duplicate recipients.

5.2.2 ResponseCodes

Major code	Minor code	Description
0	1000	Successfully created sending.
2	1000	Not logged in.
*	*	Response codes from createSending can be returned as well.

5.2.3 Response

The response to this request is a CreateSendingResult object.

5.3 CreateFaxSending

This method is a convenient way to create a fax sending. Only fax can be sent if this method is used. The parameters that can't be set in this method will be gotten from the user profile in Send, for instance if priority is set to -1, the priority used will be gotten from the profile (50 - Normal by default and if not changed).

5.3.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
sendingName	String	The name of this sending, if not set it will be set to the current date and time.
singleRecipients	Recipient[]	The recipients of this sending.
fileName	String	The filename of the fax document to be used. Important! Only .doc , .tif and .pdf documents are valid. Mac users must set correct filename ending or the sending won't be created.
fileData	byte[]	The document to be sent read into a byte array.
priority	Numeric, int	The priority of the sending. Can be 25 (High), 50 (Normal) or 75 (Low). Low priority will result in that the sending is created at a time that suits the system, normally at 18:00 GMT +1.
preventDuplicates	boolean	This flag is used to indicate that the Send system shall clean out eventual duplicate recipients.

5.3.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successfully created sending.
2	1000	Not logged in.
5	1001	Missing required parameter. See the message to find out the exact parameter.
*	*	Response codes from uploadDocument and createSending can be returned as well.

5.3.3 Response

The response to this request is a CreateSendingResult object.

5.4 CreateMmsSending

This method is a convenient way to create an MMS sending. Only MMS can be sent if this method is used. The parameters that can't be set in this method will be gotten from the user profile, for instance if priority is set to -1, the priority used will be gotten from the profile (50 - Normal by default and if not changed).

5.4.1 Parameters

Parameter	Data type	Description
sendingName	String	The name of this sending, if not set it will be set to the current date and time.
singleRecipients	Recipient[]	The recipients of this sending.
subject	String	The subject of the MMS.
verify	boolean	This flag indicates if MMS verify should be used or not.
smilFileData	byte[]	The MMS data, must be a SMIL document.
priority	Numeric, int	The priority of the sending. Can be 25 (High), 50 (Normal) or 75 (Low). Low priority will result in that the sending is created at a time that suits the system, normally at 18:00 GMT +1.
preventDuplicates	boolean	This flag is used to indicate that the Send system shall clean out eventual duplicate recipients.

5.4.2 ResponseCodes

Major code	Minor code	Description
0	1000	Successfully created sending.
2	1000	Not logged in.
*	*	Response codes from uploadDocument and createSending can be returned as well.

5.4.3 Response

The response to this request is a CreateSendingResult object.

5.5 CreateSending

This is the full fledged method for creating a sending. All possible parameters can be set.

The required parameters depend on type of media.
Single recipients must be entered if no recipient list ids are entered.

All sendings except SMS sendings must supply document ids.

The parameter objects given will be merged with the parameters in the user profile. Supplied parameters will override parameters in the user profile. The sending will fail if no valid parameters can be found.

5.5.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
sendingName	String	The name of this sending, if not set it will be set to the current date and time.
recipientListIds	Numeric, long	The ids of the recipient lists to use in this sending.
singleRecipients	Recipient[]	The recipients of this sending.
documentIds	long[]	The ids of the documents to be used.
generalParam	GeneralParam	The general parameter object given for this sending.
emailParam	EmailParam	The email parameter object given for this sending. If not set the email parameters in the user profile will be used.
faxParam	FaxParam	The fax parameter object given for this sending. If not set the fax parameters in the user profile will be used.
mmsParam	MmsParam	The MMS parameter object given for this sending. If not set the MMS parameters in the user profile will be used.
smsParam	SmsParam	The SMS parameter object given for this sending. If not set the SMS parameters in the user profile will be used.
voiceParam	VoiceParam	The voice parameter object given for this sending. If not set the voice parameters in the user profile will be used.

5.5.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successfully created sending.
2	1000	Not logged in.
5	1000	General response code for failure of creation of sending.

5	1004	Could not get any valid recipients from the recipient list ids given.
5	1006	A valid primary media could not be found either in the given general parameter object or in the user profile.
5	1007	The combination of primary and secondary media is invalid. If the same media is set for primary and secondary the sending will fail except if it is set to DB.
5	1008	Could not get any valid recipients to send to. Check recipient list ids and the single recipients and that they have a valid media type, i.e. FAX, SMS...
5	1009	Could not get any valid documents to use for the sending from the entered document ids.
5	1010	No valid general parameters given or found in profile for this sending.
5	1011	No valid fax documents for sending even though there are fax recipients.
5	1012	No valid fax parameters given or found in profile for this sending.
5	1013	No valid email parameters given or found in profile for this sending.
5	1014	No valid SMS parameters given or found in profile for this sending.
5	1015	No valid voice parameters given or found in profile for this sending.
5	1016	No valid SMS message given or found in profile for this sending.
5	1017	No valid voice documents for sending even though there are voice recipients.
5	1018	No valid email documents for sending even though there are email recipients.
5	1019	No dialog name was given for a dialog sending.
5	1020	The dialog name given doesn't match any dialog in the Send system.
5	1021	No valid email dialog for sending even though there are email recipients.
5	1022	No valid SMS dialog for sending even though there are SMS recipients.
5	1023	No valid voice dialog for sending even though there are voice recipients.
5	1030	No valid MMS parameters given or found in profile for this sending.
5	1031	No valid MMS documents for sending even though there are MMS recipients.

5.5.3 Response

The response to this request is a CreateSendingResult object.

5.6 CreateSmsSending

This method is a convenient way to create an SMS sending. Only SMS can be sent if this method is used. The parameters that can't be set in this method will be gotten from the user profile, for instance if priority is set to -1, the priority used will be gotten from the profile (50 - Normal by default and if not changed).

5.6.1 Parameters

Parameter	Data type	Description
sendingName	String	The name of this sending, if not set it will be set to the current date and time.
singleRecipients	Recipient[]	The recipients of this sending.
smsMessage	String	The SMS message to send.
priority	Numeric, int	The priority of the sending. Can be 25 (High), 50 (Normal) or 75 (Low). Low priority will result in that the sending is created at a time that suits the system, normally at 18:00 GMT +1.
senderText	String	Use this parameter to set a string to show as originator to the SMS recipient.
verify	boolean	This flag indicates if SMS verify should be used or not.
preventDuplicates	boolean	This flag is used to indicate that the Send system shall clean out eventual duplicate recipients.

5.6.2 ResponseCodes

Major code	Minor code	Description
0	1000	Successfully created sending.
2	1000	Not logged in.
*	*	Response codes from createSending can be returned as well.

5.6.3 Response

The response to this request is a CreateSendingResult object.

5.7 CreateSynchronousSmsSending

This method is a convenient way to create an SMS sending and wait for the result a specified amount of time. Only SMS can be sent if this request is used. The parameters that can't be set in this request will be read from the user profile, for instance if priority is set to -1, the priority used will be gotten from the profile (50 - Normal by default and if not changed).

5.7.1 Parameters

Parameter	Data type	Description
sendingName	String	The name of this sending, if not set it will be set to the current date and time.
singleRecipients	Recipient[]	The recipients of this sending.
smsMessage	String	The SMS message to send.
priority	Numeric, int	The priority of the sending. Can be 25 (High), 50 (Normal) or 75 (Low). Low priority will result in that the sending is created at a time that suits the system, normally at 18:00 GMT +1.
senderText	String	Use this parameter to set a string to show as originator to the SMS recipient. He will not be able to response to the SMS if it's not specified as a valid SMS number.
verify	boolean	This flag indicates if SMS verify should be used or not.
preventDuplicates	boolean	This flag is used to indicate that the Send system shall clean out eventual duplicate recipients.
maxSecondsToWaitFor Result	Numeric, int	The maximum seconds to wait until the sending is complete. The maximum time to wait is 300 seconds.

5.7.2 ResponseCodes

Major code	Minor code	Description
0	1000	Successfully created sending.
2	1000	Not logged in.
9	1001	Missing required parameter. See the message to find out the exact parameter.
9	1029	The maximum number of seconds to wait for result has been reached. The sending will continue until done and results can be gotten with GetResultsForSending when it is done.
*	*	Response codes from createSending can be returned as well.

5.7.3 Response

The response to this request is a GetResultsForSendingResult object.

5.8 CreateWapPushSending

This method is a convenient way to create a Wap Push sending. The message will be sent as an SI message, SL is not supported. Only Wap Push can be sent if this method is used. The parameters that can't be set in this method will be gotten from the user profile, for instance if priority is set to -1, the priority used will be gotten from the profile (50 - Normal by default and if not changed).

5.8.1 Parameters

Parameter	Data type	Description
sendingName	String	The name of this sending, if not set it will be set to the current date and time.
singleRecipients	Recipient[]	The recipients of this sending.
title	String	The title for this message.
url	String	The URL to show in this message.
priority	Numeric, int	The priority of the sending. Can be 25 (High), 50 (Normal) or 75 (Low). Low priority will result in that the sending is created at a time that suits the system, normally at 18:00 GMT +1.
senderText	String	Use this parameter to set a string to show as originator to the Wap Push recipient.
verify	boolean	This flag indicates if Wap Push verify should be used or not.
preventDuplicates	boolean	This flag is used to indicate that the Send system shall clean out eventual duplicate recipients.

5.8.2 ResponseCodes

Major code	Minor code	Description
0	1000	Successfully created sending.
2	1000	Not logged in.
*	*	Response codes from createSending can be returned as well.

5.8.3 Response

The response to this request is a CreateSendingResult object.

5.9 GetProfile

This method returns the profile for the user logged in.

5.9.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
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5.9.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successfully got profile.
2	1000	Not logged in.

5.9.3 Response

The response to this method is a GetProfileResult object.

5.10 GetRecipientList

This method is used to get a recipient list.

5.10.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
recipientListId	Numeric, long	The id of the recipient list to get
startIndex	Numeric, int	The index to start getting recipients from. To begin from the beginning of the recipient list set start index to 0.
nrOfRecipientsToReturn	Numeric, int	The number of recipients to get. A value of -1 will mean all recipients or the maximum value for the system.
customValues	boolean	Flag indicating that custom values (values used in a mailmerge sending) also should be retrieved for recipients.

5.10.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successfully got recipient list.
2	1000	Not logged in.
10	1000	General response code for failure of retrieval of recipient list.

5.10.3 Response

The response to this method is a GetRecipientListResult object.

5.11 GetResultsForSending

This method gets the results for a sending.

5.11.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
sendingId	Numeric, long	The id given upon creation of a sending.
startIndex	Numeric, int	The index to start getting recipients from. To begin from the beginning of the recipient list set start index to 0.
nrOfRecipientsToReturn	Numeric, int	The number of recipients to get. A value of -1 will mean all recipients or the maximum value for the system.
resultType	Numeric, int	Constant for the type of results to return. 0 = All types. 1 = Only successful. 2 = Only failures.
includeAddress	boolean	Flag indicating if the address to the recipient should be returned or not.
includeCodeMessage	boolean	Flag indicating that the result code for the recipient should be returned or not.
includeDialogLog	boolean	Flag indicating if the log message for a dialog should be returned or not.
includeDialogReply	boolean	Flag indicating if the dialog reply should be returned or not.

5.11.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successfully got results for sending.
2	1000	Not logged in.
9	1000	General response code for failure to get results for sending.
9	1001	Missing required parameter. See the message to find out the exact parameter.
9	1025	The user logged in is not the same that has created the sending and can therefore not retrieve the result.
9	1026	The sending requested isn't complete yet so no results can be gotten.
9	1027	The sending requested has been cancelled before any messages could be sent so there are no results to retrieve.
9	1028	The start index given was invalid.

5.11.3 Response

The response to this method is a GetResultsForSendingResult object.

5.12 GetSendingInformation

This method gets information about a sending. This includes the parameters, information about documents etc.

5.12.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
sendingId	Numeric, long	The id given upon creation of a sending.

5.12.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successfully got sending information.
2	1000	Not logged in.
7	1000	General response code for failure to get sending information.
7	1024	The sending id wasn't valid.

5.12.3 Response

The response to this method is a GetSendingInformationResult object.

5.13 ListDialogs

This method gets the dialog names of the dialogs that have been uploaded.

5.13.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
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5.13.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successfully created sending.
2	1000	Not logged in.
13	1000	General response code for failure list dialogs.

5.13.3 Response

The response to this method is a ListDialogsResult object.

5.14 ListRecipientLists

This method is used to see the recipient lists that have been uploaded.

5.14.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
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5.14.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successfully listed recipient lists.
2	1000	Not logged in.
11	1000	General response code for failure to list recipient lists.

5.14.3 Response

The response to this method is a ListRecipientListsResult object.

5.15 ListMobileCharging

This method is used to see the list mobile charging results over a period of time.

5.15.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
fromTime	String	Format: yyyy-MM-dd HH:mm:ss If no value is set, default-value is set to three months back.
toTime	String	Format: yyyy-MM-dd HH:mm:ss If no value is set, default-value is set to current time.

5.15.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successfully listed mobile chargings.
2	1000	Not logged in.
15	1000	General response code for failure to list mobile chargings.
15	1032	Account not setup from mobile charging.

5.15.3 Response

The response to this method is a ListMobileChargingResult object.

5.16 ListReusableDocuments

This method is used to see the reusable documents that have been uploaded for a media type. The only media type supported at the moment is VOICE.

5.16.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
mediaType	String	Must be of the type Media Type

5.16.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successfully listed recipient lists.
2	1000	Not logged in.
12	1000	General response code for failure to list recipient lists.
12	1001	Missing required parameter. See the message to find out the exact parameter.

5.16.3 Response

The method to this request is a ListReusableDocumentsResult object.

5.17 ListSendings

This method is used to list sendings.

5.17.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
startIndex	Numeric, int	The index to start getting recipients from. To begin from the beginning of the recipient list set start index to 0.
nrOfRecipientsToReturn	Numeric, int	The number of recipients to get. A value of -1 will mean all recipients or the maximum value for the system.
sendingStatus	Numeric, int	Constant for the status of sendings to list. 1 = Coming sendings. 2 = Sendings in process. 3 = Done sendings.
sendingId	Numeric, long	If set only information from the sending with sending id will be returned.
typeOfSending	Numeric, int	Constant for the type of sendings to list. 0 = No resultreports. 1 = Only resultreports. 2 = All sendings. 3 = Dialog sendings.
fromTime	String	Format: yyyy-MM-dd HH:mm:ss If no value is set, default-value is set to three months back.
toTime	String	Format: yyyy-MM-dd HH:mm:ss If no value is set, default-value is set to current time.
sortBy	Numeric, int	Constant for sorting. 0 = sort by toTime 1 = sort by fromTime 2 = sort by description of sending.
sortDescending	boolean	Flag indicating whether to sort descending or ascending.

5.17.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successfully listed recipient lists.
2	1000	Not logged in.
8	1000	General response code for failure to list sendings.

5.17.3 Response

The response to this request is a ListSendingsResult object.

5.18 Login

This method is used to login. You must login in order to be able to use the other requests. You need to ask support for this information.

5.18.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
serviceId	Numeric, int	Your service id (was referred to as customer id in previous versions).
Username	String	Your user name.
password	String	Your password.

5.18.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successful login.
1	1000	General response code for failure to login.
1	1001	Missing required parameter. See the message to find out the exact parameter.

5.18.3 Response

The response to this method is a Result object.

5.19 MobileCharge

This method is used to perform a mobile charge. The amount charged will be shown on mobile number owners invoice. You can only use mobilecharge if you have been given access to it. Ask support to set it up.

5.19.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
mobileNumber	String	The mobile number to charge. Must be given in full format, i.e. +46732594084
tariffClass	String	The amount to charge. Since the values allowed change please ask support for a full list. Examples: SEK100 means 1 SEK, DKK1000 means 10 DKK, 5000NOK means 50 NOK.
contentName	String	This will be shown on mobile owners invoice.

5.19.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successful charging.
14	1000	General response code for failure to charge.
14	1001	Missing required parameter. See the message to find out the exact parameter.
14	1032	Account not valid for mobile charging. Contact support.

5.19.3 Response

The response to this method is a MobileChargeResult object.

5.20 UploadDocument

This method is used to upload a document that can be used when creating a sending.

5.20.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
filename	String	The name of the file to upload. If no content type is specified then the filename must have a valid extension, i.e. .pdf, .tif and so on.
contentType	String	A MIME content type.
filedata	byte[]	The data of the file to upload.
mediaType	String	The media type this document shall be used for. See MediaType
useMailMerge	boolean	If this document should be used in a mailmerge sending or not.
reusableDocument	boolean	If this is a reusable document.
name	String	The name of the reusable document. Must be set if this is a reusable document.
overwrite	boolean	If specified this document will overwrite a document with the same name. Overwritten documents are lost.

5.20.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successfully uploaded document.
2	1000	Not logged in.
4	1000	General response code for failure to upload document.
4	1001	Missing required parameter. See the message to find out what parameter.

5.20.3 Response

The response to this method is a UploadDocumentResult object.

5.21 UploadRecipientList

This method is used to upload a recipient list that can be used in a sending.

5.21.1 Parameters

<i>Parameter</i>	<i>Data type</i>	<i>Description</i>
name	String	The name of the list.
description	String	The description.
filename	byte[]	The name of the file to upload. The filename must have a valid extension, either .xls or .txt.
fileData	String	The data of the file to upload.
numericId	boolean	A numeric id for the recipient list.
overwrite	boolean	If specified this recipient list will overwrite a recipient list with the same name. Overwritten lists are lost.

5.21.2 ResponseCodes

<i>Major code</i>	<i>Minor code</i>	<i>Description</i>
0	1000	Successfully uploaded recipient list.
2	1000	Not logged in.
3	1000	General response code for failure to upload recipient list.
3	1001	Missing required parameter. See the message to find out the exact parameter.
3	1003	The list name already exists and overwrite is false.
3	1004	The recipients could not be extracted from the file that was uploaded.

5.21.3 Response

The response to this method is a UploadRecipientListResult object.

6 Responses

Listed below are the response objects along with their fields.
All response objects inherit Result.

6.1 CreateSendingResult

This is a response to a createSending, createSmsSending, createSynchronousSmsSending, createAlertSmsSending, createMmsSending, createWapPushSending or createFaxSending method call.

6.1.1 Parameters

<i>Field</i>	<i>Data type</i>	<i>Description</i>
sendingId	Numeric, long	The unique id of the sending created. If an error occurred this will be set to -1.

6.2 GetProfileResult

This is a response to a getProfile method call.

6.2.1 Parameters

<i>Field</i>	<i>Data type</i>	<i>Description</i>
emailParam	EmailParam	The email parameters stored in the user profile.
faxParam	FaxParam	The fax parameters stored in the user profile.
generalParam	GeneralParam	The general parameters stored in the user profile.
mmsParam	MmsParam	The MMS parameters stored in the user profile.
smsParam	SmsParam	The SMS parameters stored in the user profile.
voiceParam	VoiceParam	The voice parameters stored in the user profile.

GetRecipientListResult

This is a response to a getRecipientList method call.

6.2.2 Parameters

<i>Field</i>	<i>Data type</i>	<i>Description</i>
recipientListInformation	RecipientListInformation	Contains information about the recipient list.
recipients	Recipient[]	The recipients retrieved from the list.
moreResults	boolean	Flag indicating that there

		are more recipients to get.
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6.3 GetResultsForSendingResult

This is a response to a getResultsForSending method call.

6.3.1 Parameters

<i>Field</i>	<i>Data type</i>	<i>Description</i>
recipientResults	RecipientResult[]	The results for the recipients in the sending.
moreResults	boolean	Flag indicating that there are more recipient results to get.

6.4 GetSendingInformationResult

This is a response to a getSendingInformation method call.

6.4.1 Parameters

<i>Field</i>	<i>Data type</i>	<i>Description</i>
resultReportSending	Boolean	This flag indicates that this sending had a result report sending.
resultReportSendingId	Numeric, long	The id of the result report sending.
emailParam	EmailParam	The email parameters stored in the user profile.
faxParam	FaxParam	The fax parameters stored in the user profile.
generalParam	GeneralParam	The general parameters stored in the user profile.
smsParam	SmsParam	The SMS parameters stored in the user profile.
voiceParam	VoiceParam	The voice parameters stored in the user profile.
recipientListInformations	RecipientListInformation[]	Contains information about the recipient lists used.
emailDocumentIds	Numeric, long[]	The ids of the documents used for email.
faxDocumentIds	Numeric, long[]	The ids of the documents used for fax.
voiceDocumentIds	Numeric, long[]	The ids of the documents used for voice.
messageCounter	MessageCounter	The counters for this sending. Here you can see the number of successful messages for the different

		medias and so on.
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6.5 ListDialogsResult

This is a response to a listDialogs method call.

6.5.1 Parameters

<i>Field</i>	<i>Data type</i>	<i>Description</i>
dialogNames	String[]	The names of the dialogs that are in the Send system.

6.6 ListMobileChargingResult

This is a response to a listMobileChargings method call.

6.6.1 Parameters

<i>Field</i>	<i>Data type</i>	<i>Description</i>
mobileChargingInformations	MobileChargingInformation[]	A list of the mobile chargings.

6.7 ListRecipientListsResult

This is a response to a listRecipientLists method call.

6.7.1 Parameters

<i>Field</i>	<i>Data type</i>	<i>Description</i>
recipientListInformations	RecipientListInformation []	The recipient list information's that were requested.

6.8 ListReusableDocumentsResult

This is a response to a listReusableDocuments method call.

6.8.1 Parameters

<i>Field</i>	<i>Data type</i>	<i>Description</i>
reusableDocumentInformations	ReusableDocumentInformation []	The information about reusable documents that were requested.

6.9 ListSendingsResult

This is a response to a listSendings method call.

6.9.1 Parameters

<i>Field</i>	<i>Data type</i>	<i>Description</i>
shortSendingInformations	ShortSendingInformation []	The information about the sendings that were requested.

6.10 MobileChargeResult

This is a response to a mobileCharge method call.

6.10.1 Parameters

<i>Field</i>	<i>Data type</i>	<i>Description</i>
transactionId	String	Unique transaction id.

6.11 Result

This is the base response and the methods it contain all other response have as well.

6.11.1 Parameters

<i>Field</i>	<i>Data type</i>	<i>Description</i>
majorResponseCode	Numeric, int	The major response code.
minorResponseCode	Numeric, int	The minor response code.
message	String	The response code as a message.

6.12 UploadDocumentResult

This is a response to an uploadDocument method call.

6.12.1 Parameters

<i>Field</i>	<i>Data type</i>	<i>Description</i>
documentId	Numeric, long	The id of the document uploaded.

6.13 UploadRecipientListResult

This is a response to an uploadRecipientList method call.

6.13.1 Parameters

<i>Field</i>	<i>Data type</i>	<i>Description</i>
recipientListId	Numeric, long	The id of the recipient list uploaded.

7 Objects

Below all objects are listed with their fields. All possible values on a field are also given if needed along with a description of the field itself.

7.1 EmailParam

This object holds parameters for email. It can be used in a createSending call to set specific email parameters.

7.1.1 Fields

<i>Field</i>	<i>Data type</i>	<i>Description</i>
replyAddress	String	The emailaddress that will be used in the from field for the sending.
replyName	String	The visible name in the from field. Should be a name, not an address. This parameter is combined with replyAddress in the from field.
filterReply	boolean	Indicating that Send shall filter email replies. This is NOT implemented at the moment.
subject	String	The subject to set in the email to be sent.
useToName	boolean	The recipient name will be added into the To header of the mail if it exists.
emailBodyDocument	Numeric, long	A document id that specifies a specific document to use as body in the email. Could be a HTML or txt file for instance that was previously uploaded with an uploadDocument call.
alternativeEmailBodyDocument	Numeric, long	A document id that specifies the alternative body document that should be used. It can be HTML or text that previously was uploaded with an uploadDocument call.
dialogURL	String	If a specific dialog URL should be used for a dialog sending. This means that a customer has set up an email dialog page or their own web server for instance.
dialogParameters	Parameter[]	The parameters to be set in the email dialog for a dialog sending.
retries	Numeric, int	Specifies the number of retries that the email should be resent.
retryDelay	Numeric,	Specifies the time between retries.

	long	Time is specified in ms.
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7.2 FaxParam

This object holds parameters for fax. It can be used in a createSending call to set specific fax parameters.

7.2.1 Fields

<i>Field</i>	<i>Data type</i>	<i>Description</i>
headerType	Numeric, int	A constant for the type of header to use in the fax. 0 = No faxheader 1 = Move the text down to make space for the header. 2 = Replace text, if any, with the header.
fromName	String	Identifier of the sender of the fax. Maximum 29 characters.
busyRetry	Numeric, int	Number of tries when receiving line is busy.
busyDelay	Numeric, long	The time in ms between a new try, on a busy line.
noAnswerRetry	Numeric, int	Number of new calls when receiving line doesn't answer
noAnswerDelay	Numeric, long	The time in ms between a new try, when no answer.
faxErrorRetry	Numeric, int	Number of new calls when receiving fax doesn't reply properly.
faxErrorDelay	Numeric, long	The time in ms between a new try, when fax doesn't reply properly.

7.3 GeneralParam

This object holds general parameters for a sending.

7.3.1 Fields

<i>Field</i>	<i>Data type</i>	<i>Description</i>
priority	Numeric, int	A constant for the priority 25 = High priority 50 = Normal priority 75 = Low priority
sendNotifications	boolean	If notifications should be sent to recipients or not.
primary	String	Primary media for a sending. Allowed values: EMAIL, FAX, SMS, VOICE or DB.
secondary	String	Secondary media for a sending.

		Allowed values: EMAIL, FAX, NONE, SMS, VOICE or DB.
language	String	The language used for the result report and notification. Allowed values: sv_SE, no_NO, da_DK, en_US
location	String	Specifies the prefix that should be used on a telephone/fax-number, if that isn't given for a recipient. Example: SE for Sweden.
resultReportFormat	String	The format for the result report. Allowed values: COMPLETE, SUMMARY, SUCCESSES, FAILURES and NONE
resultReportAddress	String	Indicate the address for the result report. Can be an email address, fax number or an SMS number. First is the media type then colon and last the address. Example: EMAIL:kalle@dom.se
description	String	The description of a sending.
notificationSenderId	String	Sender name for notifications. Example: You received a fax from SSSS
preventDuplicates	boolean	This flag is used to indicate that the Send system shall clean out eventual duplicate recipients.
mailMergeSending	boolean	This flag indicates if the sending is a mail merge sending or not.
dialogSending	boolean	This flag indicates if the sending is a dialog sending or not.
dialogName	String	If the flag for dialog sending is true then you need to specify the dialog name of the dialog to run.
startTime	String	If a sending shouldn't start right away then set the start time here. Format: yyyy-MM-dd HH:mm:ss
stopTime	String	If it is no use to continue with the sending after a specific time set that time here. Format: yyyy-MM-dd HH:mm:ss

7.4 MediaCounter

This object is used to store counters.

7.4.1 Fields

<i>Field</i>	<i>Data type</i>	<i>Description</i>
messagesInProgress	Numeric, int	The number of messages currently in process.
nrOfSuccesses	Numeric, int	The number of successful messages sent.
nrOfFailures	Numeric, int	The number of failed messages.
nrOfCancellations	Numeric, int	The number of cancelled messages.

7.5 MessageCounter

This object holds counter objects for all media types.

7.5.1 Fields

<i>Field</i>	<i>Data type</i>	<i>Description</i>
totalMessages	Numeric, int	The total number of messages.
messagesDone	Numeric, int	The amount of completed messages.
totalAnswers	Numeric, int	The amount of answers for a dialog.
primaryEmailCounter	MediaCounter	The media counter for primary email.
primaryFaxCounter	MediaCounter	The media counter for primary fax.
primarySmsCounter	MediaCounter	The media counter for primary SMS.
primaryVoiceCounter	MediaCounter	The media counter for primary voice.
secondaryEmailCounter	MediaCounter	The media counter for secondary emails.
secondaryFaxCounter	MediaCounter	The media counter for secondary fax.
secondarySmsCounter	MediaCounter	The media counter for secondary SMS.
secondaryVoiceCounter	MediaCounter	The media counter for secondary voice.

7.6 MobileChargingInformation

This object holds a result for a mobile charge.

7.6.1 Fields

<i>Field</i>	<i>Data type</i>	<i>Description</i>
sentTime	String	The time for completion of the mobile charge. Format yyyy-MM-dd HH:mm:ss.
transactionId	String	Unique id for transaction. Only set for successful mobile charging.
mobileNumber	String	The mobile number charged.

tariffClass	String	The amount charged, for example SEK1000.
contentName	String	The name of the content charged.
responseCode	Numeric, int	Result, see responsecodes for SMS
responseMessage	String	Textual response code.
billingStatus	int	0 = Sent to Operator, no reply. 1 = Not billed. 2 = Billed

7.7 Parameter

This object holds a parameter and a value.

7.7.1 Fields

<i>Field</i>	<i>Data type</i>	<i>Description</i>
parameter	String	The name of the parameter.
value	String	The value of the parameter.

7.8 Recipient

This object represents a recipient in Send.

7.8.1 Fields

<i>Field</i>	<i>Data type</i>	<i>Description</i>
id	String	The id.
name	String	The name.
emailAddress	String	The email address.
faxNumber	String	The fax number.
mobileNumber	String	The mobile number. Used for SMS sendings.
phoneNumber	String	The phone number. Used for VOICE sendings.
primaryMedia	String	Primary media for a recipient. Allowed values: EMAIL, FAX, SMS, VOICE or DB.
secondaryMedia	String	Secondary media for a recipient. Allowed values: EMAIL, FAX, NONE, SMS, VOICE or DB.
customValues	Parameter[]	The customer values for a recipient. These are used in a mail merge sending.

7.9 RecipientListInformation

This object contains information about a recipient list.

7.9.1 Fields

Field	Data type	Description
recipientListId	Numeric, long	The id of the recipient list.
numericId	String	The numeric id of the list.
listName	String	The name of the list.
listDescription	String	The description.
totalNrOfRecipients	Numeric, int	The total number of recipients in this list.

7.10 RecipientResult

This object contains information about a recipient and the results for it in a sending.

7.10.1 Fields

Field	Data type	Description
positionInSending	Numeric, int	The position the recipient had in the sending starting with 1.
id	String	The id of the recipient.
name	String	The name of the recipient.
primaryResult	Numeric, int	The primary result for the recipient. See
primaryMessage	String	The result code as a message for the primary media.
primaryAddress	String	The primary address.
primaryMedia	String	The primary media. Either EMAIL, SMS, FAX or VOICE.
primaryCompletionTime	String	The time for completion of the primary message. Format yyyy-MM-dd HH:mm:ss.
primarySmsDeliveryTime	String	The time the final delivery report arrived if primary media was SMS. Format yyyy-MM-dd HH:mm:ss.
secondaryResult	Numeric, int	The secondary result for the recipient. See
secondaryMessage	String	The result code as a message for

		the secondary media.
secondaryAddress	String	The secondary address.
secondaryMedia	String	The secondary media. Either EMAIL, SMS, FAX, VOICE or NONE.
secondaryCompletionTime	String	The time for completion of the secondary message. Format yyyy-MM-dd HH:mm:ss.
secondarySmsDeliveryTime	String	The time the final delivery report arrived if primary media was SMS. Format yyyy-MM-dd HH:mm:ss.
notificationResult	Numeric, int	The notification result for the recipient.
notificationMessage	String	The result code as a message for the notification media.
notificationAddress	String	The notification address.
notificationMedia	String	The notification media. SMS only.
notificationCompletionTime	String	The time for completion of the notification message. Format yyyy-MM-dd HH:mm:ss.
logMessage	String	The log message for a recipient in a dialog.
dialogComplete	boolean	Flag indicating that the recipient has finished a dialog.
replyMessage	String	The reply message from the recipient. Only for dialogs.
replyTime	String	The time the recipient replied in a dialog.

ReusableDocumentInformation

This object contains information about a reusable document uploaded into Send.

7.10.2 Fields

<i>Field</i>	<i>Data type</i>	<i>Description</i>
mediaType	String	The media this document is uploaded for. Either EMAIL, SMS, FAX or VOICE.
documentName	String	The name of the document.
documentId	Numeric, long	The id of the document.

7.11 ShortSendingInformation

This object contains information about a sending.

7.11.1 Fields

Field	Data type	Description
resultReportSending	boolean	The media this document is uploaded for. Either EMAIL, SMS, FAX or VOICE.
resultReportSendingId	Numeric, long	The name of the document.
description	String	The id of the document.
dialogSending	boolean	If this is a dialog sending or not.
startTime	String	The start time for the sending.
stopTime	String	The stop time for a sending.
numberOfRecipients	Numeric, int	The number of recipients for a sending.
sendingId	Numeric, long	The id for a sending.
percentDone	Numeric, float	The percent done of a sending.
percentAnswer	Numeric, float	The percent that has answered a dialog sending.
sendingStatus	Numeric, int	The status of a sending. Values: 0 = OK 1 = Cancelled sending. 2 = Internal error in the Send.

7.12 SmsParam

This object holds parameters for SMS. It can be used in a createSending call to set specific SMS parameters.

7.12.1 Fields

<i>Field</i>	<i>Data type</i>	<i>Description</i>
verify	boolean	This flag indicates if SMS verify should be used or not.
smsMsg	String	The SMS message to send, if type is WAPPUSH then SMS message is used to store an URL instead.
senderText	String	Use this parameter to set a string to show as replyNumber to the SMS recipient. This can me set to a number if MSISDN is specified. Note that there are different rules in different countries and operators regarding sender text.
tariffClass	String	The tariff class to use for a premium SMS.
dialogParameters	Parameter[]	The parameters to be set in the SMS dialog for a dialog sending.
validityTime	Numeric, long	The time in ms before the SMS should expire after it has been sent.
type	String	The type of SMS to send. Valid values are: SMS, WAPPUSH and ALERTSMS.
urlTitle	String	The title for a Wap Push message. Used if type is WAPPUSH.

7.13 MmsParam

This object holds parameters for MMS. It can be used in a createSending call to set specific MMS parameters.

7.13.1 Fields

<i>Field</i>	<i>Data type</i>	<i>Description</i>
verify	boolean	This flag indicates if verify should be used or not.
subject	String	The subject.
tariffClass	String	The tariff class to use for a premium SMS.

7.14 VoiceParam

This object holds parameters for voice. It can be used in a createSending call to set specific voice parameters.

7.14.1 Fields

<i>Field</i>	<i>Data type</i>	<i>Description</i>
busyRetry	Numeric, int	Number of tries when receiving line is busy.
busyDelay	Numeric, long	The time in ms between a new try, on a busy line.
noAnswerRetry	Numeric, int	Number of new calls when receiving line doesn't answer
noAnswerDelay	Numeric, long	The time in ms between a new try, when no answer.
transferErrorRetry	Numeric, int	Number of new calls when the phone line doesn't work properly.
transferErrorDelay	Numeric, long	The time in ms between a new try, when the phone line doesn't work properly.
confirmMessage	boolean	Ask for confirmation from the recipient if this flag is set.
confirmChar	String	A char to use to confirm a message.
repeatChar	String	A character to use for repeat of message.
dtmfPassword	String	A password to use for the message.
greetingDocumentId	Numeric, long	A document id for a message to play before playing the actual message. For instance passwords prompt.
dialogParameters	Parameter[]	The parameters to be set in the voice dialog for a dialog sending.

8 Send response codes

Below all response codes from Send are listed with a description.

8.1 Common response codes

8.1.1 Shared response codes for all media types

<i>Response code</i>	<i>Description</i>
0	Delivery OK.
1	Message has been cancelled.
2	Unknown error.
3	The recipient has a blacklisted address.
4	The recipient is a duplicate.
5	The sending stop time has been passed.
1500	Bad address or no one for that media.
1501	Bad document for that media.
1502	Bad media, not recognizable.
1503	Task got cancelled.
1504	Cancelled job returned without job code, can not read result.
1505	Failure job returned without job code, can not read result.
1506	Success job returned without job code, can not read result.
1507	Unable to dispatch job after several retries, error in the Send-system
1508	Job exceeded stop time
2750	Couldn't read the dialog
2751	Dialog error

8.1.2 Email (100 – 199)

<i>Response code</i>	<i>Description</i>
100	No destination address for recipient.
101	No sender address was given for the sending.
102	The format of the email address was incorrect.
111	The address or domain was incorrect or doesn't exist.
112	The address is probably correct, but the receiving email server could not be contacted at the moment.

8.1.3 Fax/Voice (200 – 299)

<i>Response code</i>	<i>Description</i>
201	Bad format for number or the number doesn't exist.
202	Could not reach the receiver.
203	The fax was rejected by the receiver.
204	Unknown error.
205	Incompatible fax. Send support G3-faxes only.
206	The document had a bad format.
207	File is missing: Filename
220	Receiver's line busy.
221	Errors in the fax line.
222	Relocation required.
223	Temporarily (unknown) error.
224	Recipient entered invalid password when receiving a Voice call.
225	Unconfirmed, the recipient hung up before confirmation.
241	Error at our line supplier (couldn't reach receiver).
242	Error in Send or at our line supplier (couldn't reach receiver).
244	Error in Send or at our line supplier (couldn't reach receiver).
245	Error in Send or at our line supplier (couldn't reach receiver).
260	Human answer.
261	No answer after XXX seconds.
262	Probably human instead of a fax.
263	Probably human instead of a fax.

8.1.4 SMS (900- 999)

<i>Response code</i>	<i>Description</i>
902	Wrong number
903	Due to much traffic message will be delivered during the next 60 following hours.
904	Can not reach to the specified subscriber. It will be delivered during the next 60 following hours.
905	Can't locate specified subscriber.
906	A barrier, subscriber cannot receive SMS
907	The specified subscriber does not support SMS.
908	Check sum error, could be due to bad characters in the SMS message.
909	Don't have the right permission to send to the specified user.
910	A Network error occurred , it will be sent later on.
911	Receiver's telephone can't accept any more messages, it's full. It will be sent later on.
912	Technical error in the receiver's telephone. Message will be sent later on if possible.
913	SMS Provider is busy.
914	Failed to initialize modem.

915	Failed to receive ack from provider.
916	Premium country is not supported.
917	Wrong tariff has been set for this type of number.
918	Charging failed. For example when online billing fails, the Consumer has insufficient funds, is blocked by the Operator or charging fails for other reason. Behaviour may vary with Operator integrations.
919	The mobile subscriber's balance is too low. The consumer could not be charged due to low consumer balance.
920	Syntactically correct destination but invalid (e.g. an unsupported country code) or when attempting to send a premium SMS to an invalid destination (e.g. an MO message has not been received)

9 Constants

This chapter contains some common constants.

9.1 *MediaType*

Valid media type constants.

FAX	For Fax
SMS	For SMS
EMAIL	For E-mail
VOICE	For voice
MMS	For MMS