

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

BULK SMS RESELLER PLATFORM WEB SERVICES API

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Contents

CONTENTS	2
1 PLATFORM WEB SERVICES API	4
2 METHODS	5
2.1 LOGIN.....	5
2.2 LOGOUT	6
2.3 CHECK PASSWORD	6
2.4 CHANGE PASSWORD.....	7
2.5 RESET PASSWORD.....	8
2.6 LIST STANDARD PACKAGES	9
2.7 LIST FLEXIBLE PACKAGES.....	9
2.8 LIST CUSTOMIZED PACKAGES	10
2.9 LIST OWNED PACKAGES	11
2.10 PURCHASE STANDARD PACKAGE	12
2.11 PURCHASE FLEXIBLE PACKAGE.....	13
2.12 PURCHASE CUSTOMIZED PACKAGE.....	14
2.13 GET CUSTOMER PROFILE	15
2.14 GET PLATFORM PARAMETERS.....	16
2.15 GET PLATFORM TIMEPLAN.....	17
2.16 GET FORBIDDEN WORDS	18
2.17 LIST CAMPAIGNS	18
2.18 CREATE CAMPAIGN	19
2.19 UPLOAD DESTINATIONS TO CAMPAIGN.....	21
2.20 ASSIGN TEXT TO SMS CAMPAIGN.....	22
2.21 ASSIGN DATA TO WAP PUSH CAMPAIGN.....	24
2.22 PAUSE CAMPAIGN	25
2.23 RESUME CAMPAIGN	26
2.24 CANCEL CAMPAIGN	27
2.25 ABORT CAMPAIGN.....	28
2.26 DELETE CAMPAIGN.....	28
2.27 GET PACKAGE PURCHASE REPORT	29
2.28 GET DETAILED MESSAGE SUBMISSION REPORT.....	30
2.29 GET MESSAGE DELIVERY REPORT.....	31
2.30 GET DETAILED MESSAGE DELIVERY REPORT.....	32
2.31 CREATE SMS CAMPAIGN.....	34
2.32 CREATE FLASH CAMPAIGN.....	36
2.33 CREATE WAP CAMPAIGN	38
APPENDIX A (CAMPAIGN STATE DIAGRAM)	41

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

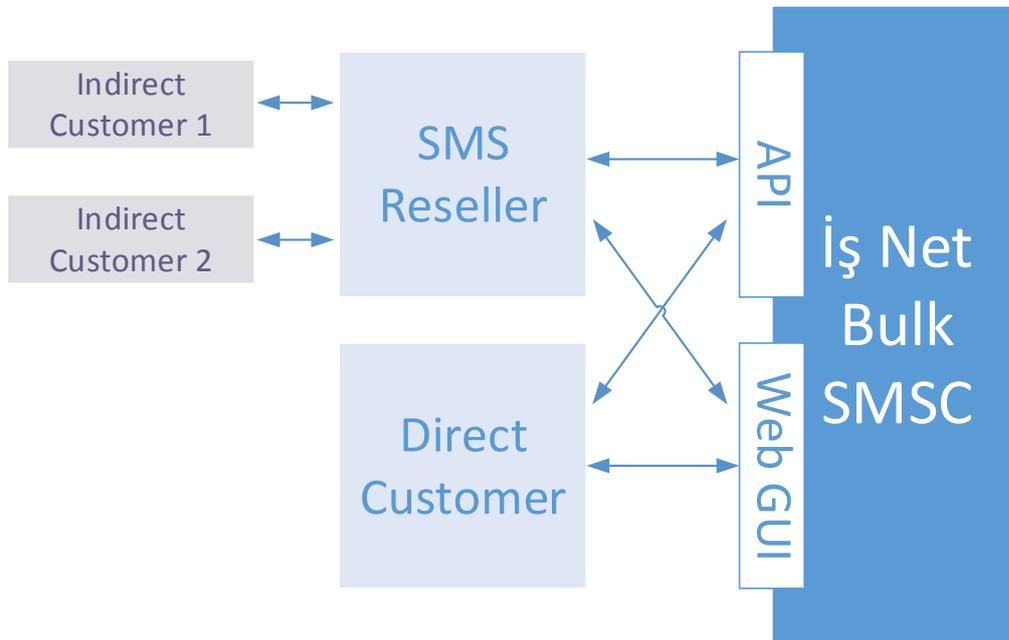
REVISION HISTORY

Version	Date	Author	Description
1.0	13/11/2013	Ahmet Feyzi Ates	First Issue
1.1	22/01/2014	Ahmet Feyzi Ates	Wrapper methods added for various types of campaign creation (SMS, Flash, and Wap Push).
1.2	11/02/2014	Ahmet Feyzi Ates	A new return code (12999 – MNP DB Error) added to the return codes of “Upload Destinations to Campaign”, “Create SMS Campaign”, “Create Flash Campaign”, and “Create Wap Campaign” methods.
1.3	04/11/2014	Okan ARDIÇ	<p>Priority value has been added to campaign creation methods (Create Campaign, Create SMS Campaign, Create Flash Campaign, Create WAP Campaign) to assign different priority values to the campaigns.</p> <p>A new return code (10080 – Invalid Priority Value) has been added to the return codes of campaign creation methods (Create Campaign, Create SMS Campaign, Create Flash Campaign, Create WAP Campaign).</p>

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

1 Platform Web Services API

Bulk SMS Reseller Platform (hereafter referred to as Platform) offers third party service providers a web services based Application Programming Interface (API) so as to enable them to develop their own web based applications to be used by the ultimate customers of the platform. The API documented in this document includes methods to enable validation of customer logins to those web applications, to enable package management, and campaign management by the customers. The API also offers methods to upload short messages (SMS) to the platform, and get various types of reports. The following diagram, illustrates the high-level architecture, and the interfaces between various players of the platform ecosystem. This document explains the details of Web Services API opened by the platform to third party service providers. The Platform owner, resellers (i.e., service providers, so called in the system), and customers are collectively referred to as entities, and they comprise an ecosystem.



Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

2 Methods

The clients utilizing the API need to authenticate through the platform via the “Login” method before calling any other API function. If successful, “Login” request returns a sessionId, which should be used within any subsequent client request towards the API. Each API method, except “Login” has a sessionId parameter carried within the Envelope part of the SOAP messages. The sessionId is valid until the “Logout” method is invoked with the same sessionId, or the timeout period set for client sessions expires. The MSISDN term used in the document and API refers to the unique identity (such as a unique customer number) that is used to identify the entities within the ecosystem.

There are two sets of methods for campaign creation. Campaigns of relatively large sizes can be created via calling the “Create Campaign” + “Upload Destinations To Campaign (n times)” + “Assign Text/Data/Multimedia to Campaign” methods in sequence. With this calling sequence, several batches of destination numbers can be added to a campaign, where the size of a single batch and the size of the whole campaign are limited by different system defined maximums. Convenience methods for creation of relatively small sized campaigns, where the methods themselves handle the above calling sequence, also added to the API. While creating campaigns via these new methods, it should be noted that campaign sizes are limited with the system defined maximum for single batches, i.e., a campaign created via the convenience methods can only be destined towards at most one batch of a campaign created with the above mentioned method call sequence.

2.1 Login

Service Providers send the login command in order to establish a provisioning session within the platform. The username (MSISDN), and password information in the Login request is checked with system stored values. If that information is correct, a system unique sessionId among all currently active sessions is generated and returned back. After that all requests containing that sessionId are considered to be the requests of that session. This sessionId is valid until the client logs out via calling the “Logout” method. The sessionId times-out after a certain amount of time has elapsed without any client interaction. The timer for a specific session is reset every time a valid request arrives over that session. Service Providers manage their user information through the Web interface designed and developed for their usage.

Request Parameters:

spMsisdn (32 characters)	MSISDN of the service provider for which the request is being made (acts as username for this call).
password (64 characters)	Password of the service provider which tries to login to the platform.

Prepared (also subject responsible if other) Okın ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

Response Parameters:

Response result code (5 characters) description (40 characters)	Possible values: Success (0) SP Msisdn Not Found (10002) SP Msisdn Not Normalized (10003) Login Failed (10998) DB Error (10999) Unknown Error (11999)
sessionId (128 characters)	

2.2 Logout

Clients use “Logout” command to terminate an established session. There is only one parameter in this method, which is the session identifier of the session that needs to be terminated. The Platform API stops the session according to the SessionId in the Logout request only if the SessionId in the message part equals to the one in the header. Otherwise, error is reported back.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
sessionId (128 characters)	Id of the session to be terminated for the given service provider.

Response Parameters:

Response result code (5 characters) description (40 characters)	Possible values: Success (0) Invalid Session (10001) DB Error (10999) Unknown Error (11999)
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2.3 Check Password

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

Validates the password of the given customer.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
password (64 characters)	Current password to be validated.

Response Parameters:

Response	Possible values:
result code (5 characters)	Invalid session
description (40 characters)	Customer DoNot Belong To SP (10010)
	Customer Msisdn Not Normalized (10004)
	Password ok (10015)
	Password not ok (10016)
	DB Error (10999)
	Unknown Error (11999)

2.4 Change Password

Changes the password of the customer to a new value.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
oldPassword (64 characters)	Current password to be changed.
newPassword (64 characters)	New password (minimum 6 characters).

Response Parameters:

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

Response result code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) Wrong password (10017) Invalid Password (10018) DB Error (10999) Unknown Error (11999)
--	--

2.5 Reset Password

Gives the customer the option to have his/her password (re)set to a fresh value.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
newPassword (64 characters)	New password (minimum 6 characters).

Response Parameters:

Response result code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) Invalid Password (10018) DB Error (10999) Unknown Error (11999)
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Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

2.6 List Standard Packages

Lists the standard packages currently defined in the reseller platform.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
-----------------------------------	---

Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Package Not Found (10020) DB Error (10999) Unknown Error (11999)
standardPackageList (complexType)	List of { packageId (10 characters) packageName (45 characters) packageSize (10 characters) packageCost (10 characters) paymentType (10 characters) [Postpaid/Prepaid/Both] }

2.7 List Flexible Packages

Lists the flexible packages currently defined in the reseller platform defined for the customers of the service provider. If optional customer info is not provided, then all flexible packages defined for the service provider are returned. Only the packages whose start date have passed but end date has NOT yet passed, are returned.

Request Parameters:

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters) [optional]	MSISDN of the customer for which the request is being made.

Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Package Not Found (10020) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) DB Error (10999) Unknown Error (11999)
flexiblePackageList (complexType)	List of { packageId (10 characters) customerMsisdn (32 characters) basePackageId (10 characters) basePackageName (45 characters) packageSize (10 characters) basePackageCost (10 characters) campaignCost (10 characters) paymentType (10 characters) [Postpaid/Prepaid/Both] expiryPeriod (2 characters) }

2.8 List Customized Packages

Lists the customized packages currently defined in the reseller platform defined for the customers of the service provider. If optional customer info is not provided, then all customized packages defined for the service provider are returned.

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters) [optional]	MSISDN of the customer for which the request is being made.

Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Package Not Found (10020) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) DB Error (10999) Unknown Error (11999)
customizedPackageList (complex Type)	List of { packageId (10 characters) customerMsisdn (32 characters) packageSize (10 characters) packageCost (10 characters) startDate (10 characters) [YYYY.MM.DD] expiryDate (10 characters) [YYYY.MM.DD] }

2.9 List Owned Packages

Lists the currently owned packages of the given customer of the service provider.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
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Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
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Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Package Not Found (10020) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) DB Error (10999) Unknown Error (11999)
ownedPackageList (complexType)	List of { purchaseTime (19 characters) [YYYY.MM.DD HH:mm:SS] packageId (10 characters) packageType (10 characters) [Standard/Flexible/Customized] packageName (45 characters) packageSize (10 characters) packageCost (10 characters) expiryDate (10 characters) [YYYY.MM.DD] currentBalance (10 characters) reservedBalance (NOT Used in current implementation) }

2.10 Purchase Standard Package

Purchases the given standard package for the given customer of the service provider. Performs account status check for the service provider; and both payment type control, and account status check for both service provider and customer. If successful, sets the balance of the customer for the package purchased. Produces charging cdr. Updates sales/purchase report data.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
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Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
packageId (10 characters)	Id of the standard package to be purchased.

Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Package Not Found (10020) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) SP Suspended (10025) Customer Suspended (10011) Payment Type Mismatch (10026) DB Error (10999) Unknown Error (11999)
---	--

2.11 Purchase Flexible Package

Purchases the given flexible package for the given customer of the service provider. Performs account status check for the service provider; and both payment type control, and account status check for both service provider and customer. If successful, sets the balance of the customer for the package purchased. Produces charging cdr. Updates sales/purchase report data.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
packageId (10 characters)	Id of the flexible package to be purchased.

Response Parameters:

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Package Not Found (10020) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) SP Suspended (10025) Customer Suspended (10011) Payment Type Mismatch (10026) Package Not Buyable (10021) DB Error (10999) Unknown Error (11999)
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2.12 Purchase Customized Package

Purchases the given customized package for the given customer of the service provider. Performs account status check for the service provider; and both payment type control, and account status check for both service provider and customer. If successful, sets the balance of the customer for the package purchased. Updates sales/purchase report data.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
packageId (10 characters)	Id of the customized package to be purchased.

Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Package Not Found (10020)
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Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

	Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) SP Suspended (10025) Customer Suspended (10011) Package Not Buyable (10021) DB Error (10999) Unknown Error (11999)
--	---

2.13 Get Customer Profile

Returns the current profile, including messaging type, customer type, name of the parent entity, and contract type (Postpaid or Prepaid), and originating addresses defined for the customer.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.

Response Parameters:

Response	Possible values:
code (5 characters)	Success (0)
description (40 characters)	Invalid session (10001)
	Customer DoNot Belong To SP (10010)
	Customer Msisdn Not Normalized (10004)
	DB Error (10999)
	Unknown Error (11999)

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

customerName (45 characters) messageType (10 characters) customerType (1 character) parentEntityName (45 characters) contractType (10 characters) [Postpaid/Prepaid] sequence of <smsOrigina- tionAddressList> sequence of <mmsOrigina- tionAddressList>	
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2.14 Get Platform Parameters

Returns some system parameters needed by a service provider.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
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Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) DB Error (10999) Unknown Error (11999)
maxCampaignSize (10 characters) maxListSizeForOneUpload (10 characters) maxCampaignDuration (10 characters) maxMMSFileSize (10 characters)	

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

maxNumberOfConcatSms (10 characters) standardPackagesExpiryPeriod (10 characters)	
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2.15 Get Platform Timeplan

Returns platform global time plan. The returned tuple includes the platform start and end times for each day of the week. Time values are in HH:MM format. Equal start and end time values for a day means, no message transmission is allowed in that day.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
-----------------------------------	---

Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) DB Error (10999) Unknown Error (11999)
monStart (5 characters) monEnd (5 characters) tueStart (5 characters) tueEnd (5 characters) wedStart (5 characters) wedEnd (5 characters) thuStart (5 characters) thuEnd (5 characters) friStart (5 characters) friEnd (5 characters) satStart (5 characters) satEnd (5 characters)	

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

sunStart (5 characters)	
sunEnd (5 characters)	

2.16 Get Forbidden Words

Returns the forbidden words currently defined within the platform. The returned may include phrases with white spaces.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
-----------------------------------	---

Response Parameters:

Response	Possible values:
code (5 characters)	Success (0)
description (40 characters)	Invalid session (10001)
	No Forbidden Words Found (10051)
	DB Error (10999)
	Unknown Error (11999)
Sequence of words (64 characters)	

2.17 List Campaigns

Lists the Campaigns of given type, of the given customer of the Service Provider. All but “Deleted” campaigns are returned.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn	MSISDN of the customer for which the request is being

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

(32 characters)	made.
campaignType (3 characters)	Type of the campaign to be created ('SMS', 'Wap', 'Fla')

Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) Invalid Campaign Type (10030) Campaign Not Found (10031) DB Error (10999) Unknown Error (11999)
campaignList (complex Type)	List of { campaignId (10 characters) campaignName (64 characters) campaignType (10 characters) [SMS/Fla/Wap] originationAddress (11 characters) status (30 characters) [ListNotUploaded /ListUploaded/Active/Paused/Completed/Aborted/WaitingforContent Approval/BalanceRestricted] campaignSize (10 characters) startTime (19 characters) [YYYY.MM.DD HH:mm:00] endTime (19 characters) [YYYY.MM.DD HH:mm:00] percentCompleted (3 characters) estimatedCompletionDate (NOT used in current implementation) }

2.18 Create Campaign

Creates a new campaign with the given type, name, start date, and end date parameters for the given customer of the service provider. Returns a unique campaign Id, and the actual start, and end time of the campaign according to current global time plan, and system settings, together with appropriate indication of whether the campaign creation attempt was successful or not. The actual start time indicates the nearest possible time the campaign can start according to the

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

global time plan. Marks the campaign as “List Not Uploaded”. If given (endTime-startTime) gives a campaign duration longer than the system defined maximum campaign period, then system defined maximum applied, and endTime for the campaign set in the platform accordingly, and that value is returned back. If startTime given is before current time, then current time is applied as the start time of the newly created campaign.

A campaign state diagram which depicts the various states a campaign can be in, and the transitions between those states, is given in Appendix A.

The priority of the campaign will be calculated regarding to the message priority of the customer. The formula used to calculate the campaign priority is:

$$(\text{customer SMS or MMS priority} * 10) + \text{specified priority value}$$

For example, if campaign type is SMS, customer SMS priority is 1 and the priority value provided for the request is 5, the resulting campaign priority will be $(1 * 10) + 5 = 15$.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
campaignType (3 characters)	Type of the campaign to be created ('SMS', 'Wap', 'Fla')
campaignName (64 characters)	Descriptive name of the campaign.
startTime (15 characters)	Date & time when the campaign starts (YYYY.MM.DD HH:mm)
endTime (15 characters)	Date & time when the campaign ends (YYYY.MM.DD HH:mm)
originatingAddress (11 characters)	The sender address from which the campaign messages to be originated.
priority (integer 0 to 9)	Priority of the campaign which is used to prioritize the number of messages to be delivered.

Response Parameters:

Response	Possible values:
code (5 characters)	Success (0)
description (40 characters)	Invalid session (10001)
	Customer DoNot Belong To SP (10010)
	Customer Msisdn Not Normalized (10004)
	Invalid Campaign Type (10030)
	Inappropriate Campaign Type (10037)

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

	Invalid Originating Address (10040) Invalid Date Values (10043) Invalid Priority Value (10080) DB Error (10999) Unknown Error (11999)
campaignId (10 characters) actualStartTime (19 characters) [YYYY.MM.DD HH:mm:00] actualEndTime (19 characters) [YYYY.MM.DD HH:mm:00]	

2.19 Upload Destinations to Campaign

Uploads part of the destination list to a previously defined campaign with the given type and Id, of the given customer of the service provider, within the Reseller Platform. Destination list consists of an array of strings where each element contains the destination MSISDN, and the actual parameter values for the placeholders present in the text, each separated by a configurable separator character. By setting the whole input text as a placeholder, it is possible to send a completely different message to each and every destination number.

This method accepts uploaded list size up to a defined system maximum. Consecutive calls to this method are required to fully upload a destination list with size larger than system maximum. First, intermediate, and last uploads are indicated with an input parameter devised for this purpose. Marks the campaign as "List Uploaded". Returns the list of rejected entries due to zone restrictions, normalizations, and black list checks, duplications, and the list of destinations that are rejected due to forbidden words being present in the variable message part of the list uploaded. It is the client application's responsibility to use these lists to give its users the information required pertaining the provided lists.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
campaignType (3 characters)	Type of the campaign to be created ('SMS', 'Wap', 'Fla')
campaignId (64 characters)	Id of the campaign.
uploadType (1 character)	Indicates the particular upload type ('I' for Initial or Interim Upload, 'F' for Final upload for this campaign)

Prepared (also subject responsible if other) Okın ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

list (string[MAX_SIZE])	The destination MSISDN list, and parameter values for each number in the list, to be uploaded (encoded with UTF-16).
--------------------------------	--

Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) Campaign Not Found (10031) Campaign Not In Proper State (10035) Invalid Campaign Type (10030) Inappropriate Campaign Type (10037) Max Size Exceeded (10041) Max Campaign Size Exceeded (10044) Invalid Parameter (10060) DB Error (10999) Unknown Error (11999) MNP DB Error (12999)
listOfRejectedEntriesDue- ZoneRestriction (10 characters) listOfRejectedEntriesDueNormal- ization (10 characters) listOfRejectedEntriesDueBlack- list (10 characters) listOfRejectedEntriesDueDupli- cation (10 characters) listOfRejectedEntriesDueForbid- denWords (10 characters)	

2.20 Assign Text to SMS Campaign

Assigns the given message text to the given campaign of the given customer of the service provider. The given campaign must be in "List Uploaded" state. The given text may contain placeholders (represented by &1, &2, ... character sequences) to be replaced by the actual values

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

present in the uploaded destination list. The text is also checked for content control. If forbidden word or words are found in the text, the campaign is marked as “Waiting for Content Approval”, and appropriate parties are notified accordingly. Found forbidden words are returned back. Forbidden words may also be forbidden phrases with white space characters arbitrarily distributed within the phrase. An input text only matches a forbidden word or phrase only if whole content of the stored phrase matches the input. Any white spaces with more than one character found in the input text are first reduced to just one white space character before any matching attempt. If no forbidden words are found, the campaign is marked as “Active”, i.e., it can start subject to any time restrictions dictated by the platform time plan. Returns the total amount of bytes needed to transmit the input text through the network.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
campaignId (64 characters)	Id of the campaign.
text (byte[MAX_NUM_CONCAT_SMS*320])	Message text to be assigned as byte array (encoded in UTF-16).

Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) Campaign Not Found (10031) Campaign Not in List Uploaded State (10032) Inappropriate Campaign Type (10037) Forbidden Words Found (10042) Placeholders Error (10046) Invalid Text Encoding (10006) DB Error (10999) Unknown Error (11999)
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Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

byteCount (10 characters)	
Sequence of words (64 characters)	

2.21 Assign Data to Wap Push Campaign

Sets the parameters of the Wap Push Campaign of the given customer of the service provider. The given campaign must be in “List Uploaded” state. The given text may contain placeholders (represented by &1, &2, ... character sequences) to be replaced by the actual values present in the uploaded destination list. The text is also checked for content control. If forbidden word or words is found in the text, the campaign is marked as “Waiting for Content Approval”, and appropriate parties are notified accordingly. Found forbidden words are returned back. Forbidden words may also be forbidden phrases with white space characters arbitrarily distributed within the phrase. An input text only matches a forbidden word or phrase only if whole content of the stored phrase matches the input. Any white spaces with more than one character found in the input text are first reduced to just one white space character before any matching attempt. If no forbidden words are found, the campaign is marked as “Active”, i.e., it can start subject to any time restrictions dictated by the platform time plan. Returns the total amount of bytes needed to transmit the input text through the network.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
campaignId (64 characters)	Id of the campaign.
wapUrl (255 characters)	The Wap URL to be pushed.
text (byte[320])	Message text to be sent as part of the Wap Push (encoded in UTF-16).

Response Parameters:

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) Campaign Not Found (10031) Campaign Not in List Uploaded State (10032) Inappropriate Campaign Type (10037) Forbidden Words Found (10042) Placeholders Error (10046) Invalid Text Encoding (10006) DB Error (10999) Unknown Error (11999)
byteCount (10 characters) Sequence of words (64 characters)	

2.22 Pause Campaign

Pauses the given campaign with the given type and Id of the given customer of the service provider. A campaign can be paused by its owner only if it is in “Active”, or “Balance Restricted” states.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
campaignType (3 characters)	Type of the campaign to be paused (‘SMS’, ‘Wap’, ‘Fla’)
campaignId (64 characters)	Id of the campaign.

Response Parameters:

Response	Possible values:
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Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

code (5 characters)	Success (0)
description (40 characters)	Customer DoNot Belong To SP (10010)
	Customer Msisdn Not Normalized (10004)
	Invalid session (10001)
	Campaign Not Found (10031)
	Invalid Campaign Type (10030)
	Inappropriate Campaign Type (10037)
	Campaign Not in Active State (10034)
	DB Error (10999)
	Unknown Error (11999)

2.23 Resume Campaign

Resumes a previously paused campaign with the given type and Id of the given customer of the service provider. A campaign can be resumed by its owner only if it is in “Paused” state.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
campaignType (3 characters)	Type of the campaign to be resumed (‘SMS’, ‘Wap’, ‘Fla’)
campaignId (64 characters)	Id of the campaign.

Response Parameters:

Response	Possible values:
code (5 characters)	Success (0)
description (40 characters)	Invalid session (10001)
	Customer DoNot Belong To SP (10010)
	Customer Msisdn Not Normalized (10004)
	Campaign Not Found (10031)

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

	Campaign Not in Paused State (10036) Invalid Campaign Type (10030) Inappropriate Campaign Type (10037) DB Error (10999) Unknown Error (11999)
--	---

2.24 Cancel Campaign

Cancels the given campaign with the given type and Id of the given customer of the service provider. A campaign can be cancelled by its owner at “List Not Uploaded”, “List Uploaded”, or “Waiting for Content Approval” states. Deletes the campaign, and its associated list details permanently (assumes that the campaign has never been defined).

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
campaignType (3 characters)	Type of the campaign to be cancelled (‘SMS’, ‘Wap’, ‘Fla’)
campaignId (64 characters)	Id of the campaign.

Response Parameters:

Response	Possible values:
code (5 characters)	Success (0)
description (40 characters)	Invalid session (10001)
	Customer DoNot Belong To SP (10010)
	Customer Msisdn Not Normalized (10004)
	Campaign Not Found (10031)
	Campaign Not in Proper State (10035)
	Invalid Campaign Type (10030)
	Inappropriate Campaign Type (10037)
	DB Error (10999)

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

	Unknown Error (11999)
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2.25 Abort Campaign

Aborts the given campaign with the given type and Id of the given customer of the service provider. A campaign can be aborted by its owner at any state except "Completed".

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
campaignType (3 characters)	Type of the campaign to be aborted ('SMS', 'Wap', 'Fla')
campaignId (64 characters)	Id of the campaign.

Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) Campaign Not Found (10031) Invalid Campaign Type (10030) Inappropriate Campaign Type (10037) DB Error (10999) Unknown Error (11999)
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2.26 Delete Campaign

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

Deletes the given campaign with the given type and Id of the given customer of the service provider, from main system records, and archives campaign information. A campaign can be deleted by its owner only if it is in “Completed” or “Aborted” states.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
campaignType (3 characters)	Type of the campaign to be deleted ('SMS', 'Wap', 'Fla')
campaignId (64 characters)	Id of the campaign.

Response Parameters:

Response	Possible values:
code (5 characters)	Success (0)
description (40 characters)	Invalid session (10001)
	Customer DoNot Belong To SP (10010)
	Customer Msisdn Not Normalized (10004)
	Campaign Not Found (10031)
	Campaign Not in Proper State (10035)
	Invalid Campaign Type (10030)
	Inappropriate Campaign Type (10037)
	DB Error (10999)
	Unknown Error (11999)

2.27 Get Package Purchase Report

Returns package purchase report data for the given customer of the service provider, between given start and end dates. The returned data includes total number of purchased packages, total amount of purchased packages, and the total cost value for each day between the given start and end dates.

Request Parameters:

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
startDate (10 characters)	Date when the reporting period starts (YYYY.MM.DD)
endDate (10 characters)	Date when the reporting period ends (YYYY.MM.DD)

Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) Invalid Date Values (10043) DB Error (10999) Unknown Error (11999)
packagePurchaseReportDataList (complex Type)	List of { purchaseDate (10 characters) [YYYY.MM.DD] amount (10 characters) number (10 characters) cost (10 characters) }

2.28 Get Detailed Message Submission Report

Returns detailed message submission report data, for each day separately, for the total number of messages attempted towards destination operators (i.e., Turkcell, Vodafone, Avea) predefined within the platform. The returned data includes reporting date, origination address of the customer, message type (text, flash, wap), the operator information for which the report is being returned, and the total number messages of that message type attempted towards that operator, from that origination address within the reporting period requested.

Request Parameters:

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
startDate (10 characters)	Date when the reporting period starts (YYYY.MM.DD)
endDate (10 characters)	Date when the reporting period ends (YYYY.MM.DD)

Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) Invalid Parameter (10060) Invalid Date Values (10043) DB Error (10999) Unknown Error (11999)
detailedMessageSubmissionReportDataList (complex Type)	List of { reportingDate (10 character) [YYYY.MM.DD] customerOriginationAddress (11 characters) messageType (10 characters) [SMS/Fla/Wap] operatorInfo (10 characters) [Turkcell/Vodafone/Avea] numberOfMessagesAttempted (10 characters) }

2.29 Get Message Delivery Report

Returns message delivery report data for each day separately, for the given customer of the service provider, between given start and end dates. The returned data includes reporting date, originating address of the customer, message type (sms text, flash sms, wap push), total number of successfully delivered, and total number of undelivered messages of that message type from that origination address, on that day.

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
start_date (10 characters)	Date when the reporting period starts (YYYY.MM.DD)
end_date (10 characters)	Date when the reporting period ends (YYYY.MM.DD)

Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) Invalid Date Values (10043) DB Error (10999) Unknown Error (11999)
messageDeliveryReportDataList (complex Type)	List of { reportingDate (10 character) [YYYY.MM.DD] customerOriginationAddress (11 characters) messageType (10 characters) [SMS/Fla/Wap] numberOfSuccessfullyDeliveredMessages (10 characters) numberOfUndeliveredMessages (10 characters) } }

2.30 Get Detailed Message Delivery Report

Returns detailed message delivery report data, for each day separately, of the requested message type (SMS; for this report type no report data for each sub type (text, flash, wap) is provided), for the given customer of the service provider, between the given start and end dates. The returned data includes reporting date, origination address of the customer, message type (SMS), total number of successfully delivered messages of that message type from that origination address, and number undelivered messages of that message type from that origination address, per

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

each error specified within the platform. Possible error codes for SMS are; “MapGW Error”, “MAP user abort” “MAP provider abort”, “MAP dialog refused”, “MAP diagnostic Problem”, “MAP provider error, and “MAP user Error.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
messageType (3 characters)	Type of the messages to be reported (‘SMS’).
startDate (10 characters)	Date when the reporting period starts (YYYY.MM.DD)
endDate (10 characters)	Date when the reporting period ends (YYYY.MM.DD)

Response Parameters:

Response code (5 characters) description (40 characters)	Possible values: Success (0) Invalid session (10001) Customer DoNot Belong To SP (10010) Customer Msisdn Not Normalized (10004) Invalid Parameter (10060) Invalid Date Values (10043) DB Error (10999) Unknown Error (11999)
detailedMessageDeliveryReportDataList (complex Type)	List of { reportingDate (10 character) [YYYY.MM.DD] messageType (10 characters) [SMS] customerOriginationAddress (11 characters) numberOfDeliveredMessages (10 characters) List of { errorCode (10 characters) [for SMS: MapG W/MAPuserAbort/MAPproviderAbort/MAPdialogRefused/MAPdiagnosticProblem/MAPprovider Error/MAPuserError] numberOfUndeliveredMessages (10 characters)

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

	} }
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2.31 Create SMS Campaign

Creates a new SMS campaign with the given name, start date, and end date parameters for the given customer of the service provider. Uploads the destination list given to the newly created campaign, and assigns the given message text to the campaign. The input text may contain placeholders (represented by &1, &2, ... character sequences) to be replaced by the actual values present in the uploaded destination list. Destination list consists of an array of strings where each element contains the destination MSISDN, and the actual parameter values for the placeholders present in the text, each separated by a configurable separator character. By setting the whole input text as a placeholder, it is possible to send a completely different message to each and every destination number. If the given list size is above the defined system maximum, appropriate code is returned back, and no campaign is created.

The text is also checked for content control. If forbidden word or words are found in the text, the campaign is created but marked as “Waiting for Content Approval”, and appropriate parties are notified accordingly. Found forbidden words are returned back together with the campaign Id. If no forbidden words are found, the campaign is marked as “Active”.

Returns a unique campaign Id, the actual start, and end time of the campaign according to current global time plan and system settings. Also returns the total amount of bytes needed to transmit the input text through the network, and the forbidden words found, if any.

The actual start time indicates the nearest possible time the campaign can start according to the global time plan. If given (endTime-startTime) gives a campaign duration longer than the system defined maximum campaign period, then system defined maximum applied, and endTime for the campaign set in the platform accordingly, and that value is returned back. If startTime given is before current time, then current time is applied as the start time of the newly created campaign.

The priority of the campaign will be calculated regarding to the message priority of the customer. The formula used to calculate the campaign priority is:

$$(\text{customer SMS priority} * 10) + \text{specified priority value}$$

For example, if customer SMS priority is 1 and the priority value provided for the request is 5, the resulting campaign priority will be $(1 * 10) + 5 = 15$.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn	MSISDN of the customer for which the request is being made.

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

(32 characters)	
campaignName (64 characters)	Descriptive name of the campaign.
startTime (15 characters)	Date & time when the campaign starts (YYYY.MM.DD HH:mm)
endTime (15 characters)	Date & time when the campaign ends (YYYY.MM.DD HH:mm)
originatingAddress (12 characters)	The sender address from which the campaign messages to be originated.
list (string[MAX_SIZE])	The destination MSISDN list, and parameter values for each number in the list, to be uploaded (encoded with UTF-16).
text (byte[MAX_NUM_CONCAT_SMS*320])	Message text to be assigned as byte array (encoded in UTF-16).
priority (integer 0 to 9)	Priority of the campaign which is used to prioritize the number of messages to be delivered.

Response Parameters:

Response	Possible values:
code (5 characters)	Success (0)
description (40 characters)	Invalid session (10001)
	Customer DoNot Belong To SP (10010)
	Customer Msisdn Not Normalized (10004)
	Invalid Text Encoding (10006)
	Inappropriate Campaign Type (10037)
	Invalid Originating Address (10040)
	Invalid Date Values (10043)
	Max Size Exceeded (10041)
	Forbidden Words Found (10042)
	Placeholders Error (10046)
	Invalid Text Encoding (10006)
	Invalid Priority Value (10080)
	DB Error (10999)
	Unknown Error (11999)
	MNP DB Error (12999)

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

campaignId (10 characters)	
actualStartTime (19 characters) [YYYY.MM.DD HH:mm:00]	
actualEndTime (19 characters) [YYYY.MM.DD HH:mm:00]	
byteCount (10 characters)	
Sequence of words (64 characters)	

2.32 Create Flash Campaign

Creates a new Flash SMS campaign with the given name, start date, and end date parameters for the given customer of the service provider. Uploads the destination list given to the newly created campaign, and assigns the given message text to the campaign. The input text may contain placeholders (represented by &1, &2, ... character sequences) to be replaced by the actual values present in the uploaded destination list. Destination list consists of an array of strings where each element contains the destination MSISDN, and the actual parameter values for the placeholders present in the text, each separated by a configurable separator character. By setting the whole input text as a placeholder, it is possible to send a completely different message to each and every destination number. If the given list size is above the defined system maximum, appropriate code is returned back, and no campaign is created.

The text is also checked for content control. If forbidden word or words are found in the text, the campaign is created but marked as “Waiting for Content Approval”, and appropriate parties are notified accordingly. Found forbidden words are returned back together with the campaign Id. If no forbidden words are found, the campaign is marked as “Active”.

Returns a unique campaign Id, the actual start, and end time of the campaign according to current global time plan and system settings. Also returns the total amount of bytes needed to transmit the input text through the network, and the forbidden words found, if any.

The actual start time indicates the nearest possible time the campaign can start according to the global time plan. If given (endTime-startTime) gives a campaign duration longer than the system defined maximum campaign period, then system defined maximum applied, and endTime for the campaign set in the platform accordingly, and that value is returned back. If startTime given is before current time, then current time is applied as the start time of the newly created campaign.

The priority of the campaign will be calculated regarding to the message priority of the customer. The formula used to calculate the campaign priority is:

$$(\text{customer SMS priority} * 10) + \text{specified priority value}$$

For example, if customer SMS priority is 1 and the priority value provided for the request is 5, the resulting campaign priority will be $(1 * 10) + 5 = 15$.

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
campaignName (64 characters)	Descriptive name of the campaign.
startTime (15 characters)	Date & time when the campaign starts (YYYY.MM.DD HH:mm)
endTime (15 characters)	Date & time when the campaign ends (YYYY.MM.DD HH:mm)
originatingAddress (12 characters)	The sender address from which the campaign messages to be originated.
list (string[MAX_SIZE])	The destination MSISDN list, and parameter values for each number in the list, to be uploaded (encoded with UTF-16).
text (byte[MAX_NUM_CONCAT_SMS*320])	Message text to be assigned as byte array (encoded in UTF-16).
priority (integer 0 to 9)	Priority of the campaign which is used to prioritize the number of messages to be delivered.

Response Parameters:

Response	Possible values:
code (5 characters)	Success (0)
description (40 characters)	Invalid session (10001)
	Customer DoNot Belong To SP (10010)
	Customer Msisdn Not Normalized (10004)
	Invalid Text Encoding (10006)
	Inappropriate Campaign Type (10037)
	Invalid Originating Address (10040)
	Invalid Date Values (10043)
	Max Size Exceeded (10041)
	Forbidden Words Found (10042)
	Placeholders Error (10046)
	Invalid Text Encoding (10006)

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

	Invalid Priority Value (10080) DB Error (10999) Unknown Error (11999) MNP DB Error (12999)
campaignId (10 characters) actualStartTime (19 characters) [YYYY.MM.DD HH:mm:00] actualEndTime (19 characters) [YYYY.MM.DD HH:mm:00] byteCount (10 characters) Sequence of words (64 characters)	

2.33 Create Wap Campaign

Creates a new Wap Push campaign with the given name, start date, and end date parameters for the given customer of the service provider. Uploads the destination list given to the newly created campaign, and sets the given parameters (wap URL, and text) of the campaign. The input text may contain placeholders (represented by &1, &2, ... character sequences) to be replaced by the actual values present in the uploaded destination list. Destination list consists of an array of strings where each element contains the destination MSISDN, and the actual parameter values for the placeholders present in the text, each separated by a configurable separator character. By setting the whole input text as a placeholder, it is possible to send a completely different message to each and every destination number. If the given list size is above the defined system maximum, appropriate code is returned back, and no campaign is created.

The text is also checked for content control. If forbidden word or words are found in the text, the campaign is created but marked as "Waiting for Content Approval", and appropriate parties are notified accordingly. Found forbidden words are returned back together with the campaign Id. If no forbidden words are found, the campaign is marked as "Active".

Returns a unique campaign Id, the actual start, and end time of the campaign according to current global time plan and system settings. Also returns the total amount of bytes needed to transmit the input text through the network, and the forbidden words found, if any.

The actual start time indicates the nearest possible time the campaign can start according to the global time plan. If given (endTime-startTime) gives a campaign duration longer than the system defined maximum campaign period, then system defined maximum applied, and endTime for the campaign set in the platform accordingly, and that value is returned back. If startTime given is before current time, then current time is applied as the start time of the newly created campaign.

The priority of the campaign will be calculated regarding to the message priority of the customer. The formula used to calculate the campaign priority is:

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

(customer SMS priority * 10) + specified priority value

For example, if customer SMS priority is 1 and the priority value provided for the request is 5, the resulting campaign priority will be $(1 * 10) + 5 = 15$.

Request Parameters:

sessionId (128 characters)	Id of the current session to which the request applies (part of SOAP header).
customerMsisdn (32 characters)	MSISDN of the customer for which the request is being made.
campaignName (64 characters)	Descriptive name of the campaign.
startTime (15 characters)	Date & time when the campaign starts (YYYY.MM.DD HH:mm)
endTime (15 characters)	Date & time when the campaign ends (YYYY.MM.DD HH:mm)
originatingAddress (12 characters)	The sender address from which the campaign messages to be originated.
list (string[MAX_SIZE])	The destination MSISDN list, and parameter values for each number in the list, to be uploaded (encoded with UTF-16).
wapUrl (255 characters)	The Wap URL to be pushed.
text (byte[320])	Message text to be sent as part of the Wap Push (encoded in UTF-16).
priority (integer 0 to 9)	Priority of the campaign which is used to prioritize the number of messages to be delivered. The higher the value is the more messages will be delivered.

Response Parameters:

Response	Possible values:
code (5 characters)	Success (0)
description (40 characters)	Invalid session (10001)
	Customer DoNot Belong To SP (10010)
	Customer Msisdn Not Normalized (10004)
	Invalid Text Encoding (10006)
	Inappropriate Campaign Type (10037)
	Invalid Originating Address (10040)
	Invalid Date Values (10043)

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

	Max Size Exceeded (10041) Forbidden Words Found (10042) Invalid Text Encoding (10006) Invalid Priority Value (10080) DB Error (10999) Unknown Error (11999) MNP DB Error (12999)
campaignId (10 characters) actualStartTime (19 characters) [YYYY.MM.DD HH:mm:00] actualEndTime (19 characters) [YYYY.MM.DD HH:mm:00] byteCount (10 characters) Sequence of words (64 characters)	

Prepared (also subject responsible if other) Okan ARDIÇ		No.		
Approved	Checked	Date 04.11.2014	Rev 1.3	Reference

APPENDIX A (CAMPAIGN STATE DIAGRAM)

