



VAS2Nets B2B

WEB SERVICE SPECIFICATION

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Table of Contents

Table of Contents	3
1. APPLICATION OVERVIEW	4
1.1 General Technical Details	5
1.2 API Response Overview	6
2. METASERVICES	7
2.1 Profile Details	7
2.2 Biller Categories	9
2.3 VAS2Nets B2B Billers	10
2.4 Third Party's Billers	12
3. BOUQUET RETRIEVAL	14
4. TRANSACTIONAL WEB SERVICES	15
4.1 Virtual Top Up	16
4.1.1 Customer validation	16
4.1.2 Payment	17
4.2 Electricity Distribution	18
4.2.1 Customer validation	18
4.2.2 Payment	19
4.3 Satellite Television or Streaming Services	20
4.3.1 Customer validation	20
4.3.2 Payment	22
4.4 Betting or Lottery Services	23
4.4.1 Customer validation	23
4.4.2 Payment	24
4.5 Educational Services	25
4.5.1 Customer validation	25
4.5.2 Payment	26
4.6 Banking Services	27
4.6.1 Customer validation	27
4.6.2 Payment	28
4.7 Internet Services	29
4.7.1 Customer validation	29
4.7.2 Payment	30
4.8 KYC Verification Services	31
4.8.1 Customer validation	31
4.9 Airtime Voucher Services	32
4.9.1 Payment	32
5. REQUERY	33
6. RECONCILIATION PORTAL	33

1. APPLICATION OVERVIEW

This application gives room for any third party to integrate to VAS2Nets billers' platform. Each biller is categorized in a logical group depending on the actual service that the biller is offering. Few example of billers are Startimes, DSTV Subscription, Abuja Electricity Distribution Company (Prepaid), Enugu Electricity Distribution Company (Postpaid), NairaBet, WAEC Pin, BangBet, Smile Recharge, MTN Airtime, Airtel Data etc while examples of biller categories are Electricity Distribution, Television (Multichoice Network), Educational, Betting and/or Lottery, Banking Operation, Virtual TopUp etc.

For all the biller service, there is an API to run validation on the customer and another API to initiate payment. A successful validation is a prerequisite for payment initiation (except otherwise stated). Third parties are advised to put a mechanism in place to ensure that only successfully validated users are allowed to proceed to payment on the third party's platform. Initiating payment requests on a customer whose validation failed will lead to a failed payment or an undesired result. For instance, an invalid GOTV smartcard number cannot be subscribed to any valid GOTV bouquet; neither should a data bundle be purchased for any invalid mobile number.

Some biller services are bouquet-oriented. This means that a customer can only purchase any already predefined bouquet package. To retrieve the list of available/active bouquets for any of these services, the third party is advised to make use of the bouquet web service as documented in chapter 3.

Reversal of **Failed** transactions takes place automatically and instantly.

1.1 General Technical Details

	Note	Label
Base URL	VAS2Nets will share this with the third party before the commencement of integration.	BASE_URL
Environment URI	VAS2Nets will share this with the third party before the commencement of integration. This parameter is what differentiate the test environment from the production environment for each of the web services.	ENV_URI
Authentication method	The authentication method needed to integrate into this application is Basic Authentication . Please note that all the web services require authentication. VAS2Nets will share API credentials with the third party before the commencement of integration.	
IP Whitelisting	Before a successful API request can be made, the source IP of the thirdparty need to have been whitelisted. This offers an extra layer of security to the application. The third party is expected to make use of the reconciliation portal to whitelist and/or blacklist any IP of their choice..	
Back Office	VAS2Nets will share the details of this portal with the third party before the commencement of integration.	
Request Type	JSON	
Response Type	JSON	

Table 1.1: Description of all technical details

1.2 API Response Overview

Parameter	Availability	Type	Description
status	Mandatory	String	This indicates accurateness and correctness of the third party's API request. A value of 200 indicates that the request was properly sent. Any other value indicates that there is an issue with the third party's request.
description	Mandatory	String	This gives the general interpretation of the status parameter. Third parties are advised not to display/expose this 'description' to their end user. It should be for internal use only.
referenceId	Optional	String	This is VAS2Nets' unique identifier for payment requests.
message	Optional	String	A more specific description of the status code.
extra	Optional	String	The most specific description of the status code.
data	Optional	Object	This is the actual response to the third party's API request. It will only be present in the response payload only when the status parameter has a value of 200 .
data.status	Optional	String	This parameter is only present in the response payload for Validation, Payment and Requery API request. The possible values are Success, Failed and Pending. Pending status is not a final status. Thus, any transaction whose status is Pending should be requeryed at an interval of 2 minutes until either Success or Failed is returned. For KYC verification services, this parameter can be any of Failed, Valid or Invalid.

Table 1.2: A General Description of Key Parameters in the Response Payload.

2. METASERVICES

These are preliminary web services which give information about the actual transactional web services. They serve as a guide and also provide the background details for the transactional web services. The meta services are :

2.1 Profile Details

This returns every necessary technical detail of the third party's account.

Endpoint	{BASE_URL}{ENV_URI}meta/getDetails			
METHOD	GET			
REQUEST BODY	Name	Type	Availability	Description
RESPONSE DATA	Name	Type	Required	Description
	profile	Object	Mandatory	This is the details of the third party's account.
	profile.id	String	Mandatory	The ID of a third party's account.
	profile.name	String	Mandatory	Third party's account name.
	profile.category	String	Mandatory	Third party's category.
	profile.emailAddress	String	Mandatory	Third party's email address.
	profile.status	String	Mandatory	The status of a third party's account. It can be any of Active , Inactive or Disabled . Only Active accounts are allowed to make successful API calls.
	profile.canAccessAPI	Boolean	Mandatory	This indicates whether the third party's account has been configured for

				API connection.
	profile.whitelistedIPs	String	Mandatory	A json encoded list of the set of third party's whitelisted IP addresses.
	profile.canAccessReconciliationPortal	Boolean	Mandatory	This indicates whether the third party's account has been configured to have access to the reconciliation portal.
	profile.type	String	Mandatory	This can be either Prepaid or Postpaid .
	balance	Object	Mandatory	This contains the balances of the third party.
	balance.wallet	String	Mandatory	Third party's transactional wallet balance.
	balance.commission	String	Mandatory	This is the third party's accrued commission. Third parties can make use of the back office to move funds from their commission wallet to their transactional wallet.

Table 2.1: getDetails' request and response payload

2.2 Biller Categories

This returns all the categories in which all the billers are grouped into. Every biller in the same category has the same API request and response format with very few exceptions.

Endpoint	{BASE_URL}{ENV_URI}meta/getBillerCategories			
METHOD	GET			
REQUEST BODY	Name	Type	Availability	Description
RESPONSE DATA	Name	Type	Required	Description
	categories	List	Mandatory	This contains the list of the categories
	categories[i].id	String	Optional	A unique identifier for the i th category.
	categories[i].name	String	Optional	The name of the i th category.
	categories[i].imagePath	String	Optional	
	categories[i].imageUrl	String	Optional	

Table 2.2: getBillerCategories request and response payload

2.3 VAS2Nets B2B Billers

This web service returns all the billers services that are available on VAS2Nets B2B platform.

Endpoint	{BASE_URL}{ENV_URI}meta/getAllBillers			
METHOD	GET			
REQUEST BODY	Name	Type	Availability	Description
	category	String	Optional	The unique identifier of any category (refer to table 2.2)
	status	String	Optional	Active, Inactive or Disabled
	isBouquetService	String	Optional	Yes, No or Partial
RESPONSE DATA	Name	Type	Required	Description
	data[i]	Object	Mandatory	This contains every information about all the billers that are in the i th category.
	data[i].category	String	Mandatory	The unique identifier for the category.
	data[i].description	String	Mandatory	A short description of the i th category.
	data[i].billers	List	Mandatory	This contains the set of billers which are in the i th category.
	data[i].billers[j]	Object	Mandatory	This is the j th biller in the i th category.
	data[i].billers[j].id	String	Mandatory	A unique identifier for j th biller.
	data[i].billers[j].name	String	Mandatory	The name of the j th biller.
	data[i].billers[j].info	String	Mandatory	A short nickname for the j th biller.

	data[i].billers [j].imageUrl	String	Mandatory	A URL for the pictorial image of the j th biller.
	data[i].billers [j].imagePath	String	Mandatory	A publicly accessible path to the biller's image.
	data[i].billers [j].isBouquet Service	String	Mandatory	Possible values are 1. Yes: The service is purely bouquet-oriented thus, the end user can only purchase any of the predefined bouquet. 2. No: The service is NOT bouquet oriented thus the end user can pay any amount of their choice. 3. Partial: The payment is not bouquet-oriented however, the biller service has a component that rides on the bouquet retrieval service as documented in chapter 3. 4. Validation: The bouquets are user-specific. Hence, the bouquet is returned in the validation response.
	data[i].billers [j].status	String	Mandatory	An indicator of the current state of the j th biller on VAS2Nets B2B platform.

Table 2.3: getAllBillers request and response payload

2.4 Third Party's Billers

The third party is advised to use this web service to query the list of billers that have been profiled for the third party's account.

Endpoint	{BASE_URL}/{ENV_URI}meta/getMyBillers			
METHOD	GET			
REQUEST BODY	Name	Type	Availability	Description
	category	String	Optional	The unique identifier of any category (refer to table 2.2)
	isBouquetService	String	Optional	Yes, No or Partial
	billerId	String	Optional	The unique identifier of any biller.
RESPONSE DATA	Name	Type	Required	Description
	userId	String	Mandatory	A unique identifier which identifies the third party on VAS2Nets B2B platform.
	billers	List	Mandatory	This contains the list of the billers that has been configured for the third party's account.
	billers[i]	Object	Optional	This contains every information about the i th biller that has been configured for the third party..
	billers[i].id	String	Optional	The unique identifier for i th biller.
	billers[i].category	String	Mandatory	The category which the i th biller falls into..
	billers[i].name	String	Mandatory	The name of the i th biller.
	billers[i].info	String	Mandatory	A short nickname for the i th biller.

	billers[i].commission	String	Mandatory	The third party's percentage commission on any successful payment transaction carried out on the i^{th} biller.
	billers[i].isBouquetService	String	Mandatory	Possible values are 1. Yes: The service is purely bouquet-oriented thus, the end user can only purchase any of the predefined bouquet. 2. No: The service is NOT bouquet oriented thus the end user can pay any amount of their choice. 3. Partial: The payment is not bouquet-oriented however, the biller service has a component that rides on the bouquet retrieval service as documented in chapter 3.. 4. Validation: The bouquets are user-specific. Hence, the bouquet is returned in the validation response.
	billers[i].imageUrl	String	Mandatory	A URL for the pictorial image of the i^{th} biller.
	billers[i].statuses	String	Mandatory	This indicates the current status of the i^{th} biller as relating to the third party alone. Possible values are Active, Inactive or Disabled .

Table 2.4: getMyBillers request and response payload.

3. BOUQUET RETRIEVAL

This service should be used to retrieve available bouquets for any biller service. Bouquets should be fetched in real time rather than being cached.

Endpoint	{BASE_URL}/{ENV_URI}bouquet/{categoryId}/{billerId}			
METHOD	GET			
REQUEST BODY	Name	Type	Availability	Description
	type	String	Optional	The type of bouquet
RESPONSE DATA	Name	Type	Required	Description
	serviceCategory	List	Mandatory	The category id of the biller.
	billerId	String	Mandatory	A unique identifier for the biller.
	types	List	Mandatory	Possible bouquet types.
	bouquets	List	Mandatory	The list of the active bouquets for the biller.
	bouquets[i]	Object	Mandatory	The i th bouquet.
	bouquets[i].code	String	Mandatory	The unique identifier for the i th bouquet. This can also be referred to as the bouquet's code.
	bouquets[i].name	String	Mandatory	The name/description of the i th bouquet.
	bouquets[i].price	String	Mandatory	The price of the i th bouquet.
	bouquets[i].type	String	Mandatory	The type of i th bouquet.
	bouquets[i].addons	List	Optional	The list of addons that are available for the i th bouquet.

Table 3.0: Bouquet retrieval request and response payload.

4. TRANSACTIONAL WEB SERVICES

These are the set of the service that the third party can use to initiate a validation request and also initiate a payment request on behalf of an end user. The APIs are generic (to a notable extent) for all billers that are in the same category. Hence, each category will be taken one after the other.

The request method for all these services is POST. The **requestId** parameter in the request payloads must be alphanumeric and not more than 20 characters. The endpoints are listed below

Function	Endpoint
Validation	{BASE_URL}{ENV_URI}{categoryId}/validate
Payment	{BASE_URL}{ENV_URI}{categoryId}/purchase

Table 4.0: Endpoints for transactional APIs.

For successful validation requests whereby the details (name, address etc) of the customer is returned in the response payload, the third party is advised to display these details on their respective platforms for the customer to see and confirm that the details are correct. Afterwards, the customer can be allowed to proceed to payment.

Generally, the **status** parameter in the validation response **data** object can be either **Success** or **Failed**. **Success** means that the customer ID is valid and the validation was successful whereas **Failed** means that either the customer ID is not valid or the customer account could not be validated. Likewise, the status parameter in the payment response data can be any of **Success**, **Failed** or **Pending**. **Success** means that the payment was successful, **Failed** means that the payment was not successful and the transaction has been reversed, while **Pending** means that the transaction is yet to be finalized and thus the third party is expected to initiate requery on the transaction.

4.1 Virtual Top Up

This includes airtime and data biller services. Please note that for airtime and data billers services, validation is NOT a prerequisite to payment. However, the third party can make use of the validation service whenever the need arises.

4.1.1 Customer validation

This is the validation service for all the billers under vtu category. Additionally, this service can be used to query the default network operator of the mobile number. Third parties are advised to give room for the end users to select a network different from the default network before initiating an airtime or data request for the customer. To get the actual network of a phone number even if the phone number has been ported to another network, third parties should make use of the KYC service (section 4.8).

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Optional	The unique identifier of the biller.
	customerId	String	Mandatory	Customer's mobile phone number. Any format can be used be it +234..., 234... or 0...
	requestId	String	Mandatory	Third party's unique identifier for this request.
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the validation.
	defaultNetwork	String	Mandatory	The default network operator of the customer's mobile number.
	message	String	Mandatory	A short description of the status parameter.

Table 4.1: vtu validation request and response payload.

4.1.2 Payment

This service can be used to initiate an airtime or data purchase for any customer.

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Mandatory	The unique identifier of the biller (refer to section 2.3 or 2.4)
	customerId	String	Mandatory	Customer's mobile phone number
	amount	String	Mandatory	The value of the airtime to be purchased or the price of the data bundle to be purchased.
	requestId	String	Mandatory	Third party's unique identifier for this request.
	bouquetCode	String	Optional	This only applies to bouquet-oriented billers under the vtu category. (please refer to section 3)
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the transaction.
	message	String	Mandatory	A short description of the status parameter.
	receiptInfo	Object	Optional	Additional information that should be printed on customer's receipt

Table 4.2: vtu payment request and response payload.

4.2 Electricity Distribution

Third parties can make use of these services to validate customer meter number or account number and also to initiate a payment request on behalf of the customers.

4.2.1 Customer validation

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Mandatory	The unique identifier of the biller.
	customerId	String	Mandatory	Customer's meter number or account number.
	requestId	String	Mandatory	Third party's unique identifier for this request.
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the validation.
	message	String	Mandatory	A short description of the status parameter.
	customerName	String	Optional	This is the name of the customer. This is available only if the validation was successful.
	customerAddress	String	Optional	This is the address of the customer. This is available only if the validation was successful.

Table 4.3: disco validation request and response payload.

4.2.2 Payment

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Mandatory	The unique identifier of the biller.
	customerId	String	Mandatory	Customer's meter number or account number.
	requestId	String	Mandatory	Third party's unique identifier for this request.
	amount	String	Mandatory	The amount the customer wants to pay
	customerName	String	Mandatory	The name of the customer which was returned during validation.
	customerAddress	String	Mandatory	The address of the customer which was returned during validation.
	emailAddress	String	Optional	Customer's email address
	phoneNumber	String	Optional	Customer's phone number
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the payment.
	message	String	Mandatory	Short description of the status parameter.
	token	String	Optional	This is the recharge token which the customer will load on their prepaid meters. This applies to prepaid disco only.
	receiptInfo	Object	Mandatory	Information that should be printed on customer's receipt

Table 4.4: disco payment request and response payload.

4.3 Satellite Television or Streaming Services

The services in this category are television subscription services such as DSTV subscription, DSTV renewal, GOTV subscription, GOTV renewal and startimes subscription etc.

DSTV subscription and GOTV subscription are bouquet services, and customers can only purchase an already predefined active bouquet (refer to chapter 3). Third parties are advised to use these services only for customers who want to upgrade or downgrade their current GOTV/DSTV subscription.

DSTV renewal and GOTV renewal are NOT bouquet-oriented. Third parties are advised to use these services whenever customers want to renew their existing GOTV/DSTV subscription. Occasionally, Multichoice gives commission to their customers, and the customers can only benefit from this commission scheme through the renewal services. Startimes is also a bouquet service. However, startimes gives room for their customer to pay any amount of their choice at any time, and startimes will charge the customer a daily tariff depending on the bouquet the customer is subscribed to.

4.3.1 Customer validation

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Mandatory	The unique identifier of the biller.
	customerId	String	Mandatory	Customer's smartcard number
	requestId	String	Mandatory	Third party's unique identifier for this request.
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the validation.
	message	String	Mandatory	A short description of the status parameter.

	customerName	String	Optional	This is the name of the customer. This is available only if the validation is successful.
	customerNumber	String	Optional	This is the number that is tied to the smartcard number of Multichoice's platform. This is present in the response payload only if the validation was successful for GOTV, DSTV and STARTIMES billers.
	accountStatus	String	Optional	This is the status of the customer's account on Multichoice's platform. This is present in the response payload only if the validation was successful for GOTV, DSTV and STARTIMES billers.
	currentSubscription	String	Optional	This indicates the bouquet that the customer is currently subscribed to. It is present in the payload only if the validation is successful for GOTVR and DSTVR services.
	dueAmount	String	Optional	This is the amount the customer is due to pay before the customer's current subscription can be renewed. Whenever the customer has a discount, the dueAmount is usually the actual bouquet price minus the discount. Third parties are advised to display the amount on their platform for the customer to see. Likewise, the customer should be allowed to below or above the dueAmount. Whatever amount is paid is being added to the

				customer's wallet at Multichoice's end. This parameter is only available for GOTVR and DSTVR services.
	dueDate	String	Optional	This is the date that the dueAmount is due to be paid for the customer to remain connected on the satellite. This parameter is only available for GOTVR and DSTVR services.

Table 4.5: tv validation request and response payload.

4.3.2 Payment

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Mandatory	The unique identifier of the biller.
	customerId	String	Mandatory	Customer's smartcard number.
	requestId	String	Mandatory	Third party's unique identifier for this request.
	amount	String	Mandatory	The amount the customer wants to pay or the price of the bouquet the customer wants to subscribe to.
	customerName	String	Mandatory	The name of the customer which was obtained during validation.
	customerNumber	String	Optional	The number that is tied to the smartcard number of Multichoice's platform as obtained during validation. This is required for DSTV and GOTV billers.

	bouquetCode	String	Optional	The code of the bouquet that the customer wants to subscribe to. This is required for GOTV and DSTV billers.
	addonCode	String	Optional	If the customer wants an addon, addonCode is the code of the addon that the customer wants. An addon is to a bouquet just as icing is to a cake.
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the validation.
	message	String	Mandatory	A short description of the status parameter.
	receiptInfo	Object	Optional	Informations that should appear on customer's receipt

Table 4.6: tv payment request and response payload.

4.4 Betting or Lottery Services

4.4.1 Customer validation

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Mandatory	The unique identifier of the biller.
	customerId	String	Mandatory	Customer's bet ID.
	requestId	String	Mandatory	Third party's unique identifier for this request.
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the validation.
	message	String	Mandatory	A short description of the

				status parameter.
	customerName	String	Optional	This is the name of the customer. This is available only if the validation was successful.
	customerAddress	String	Optional	This is the address of the customer. This is available only if the validation was successful.

Table 4.7: bet validation request and response payload.

4.4.2 Payment

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Mandatory	The unique identifier of the biller.
	customerId	String	Mandatory	Customer's bet ID.
	customerName	String	Mandatory	The name of the customer which was obtained during validation.
	amount	String	Mandatory	The amount that the customer wants to pay into his/her betting wallet.
	requestId	String	Mandatory	Third party's unique identifier for this request.
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the validation.
	message	String	Mandatory	A short description of the status parameter.

Table 4.8: bet payment request and response payload.

4.5 Educational Services

4.5.1 Customer validation

It should be noted that validation service does not exist for WAEC.

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Mandatory	The unique identifier of the biller.
	customerId	String	Mandatory	Profile code of the student
	bouquetCode	String	Mandatory	The code of the bouquet which the user wants to purchase.
	requestId	String	Mandatory	Third party's unique identifier for this request.
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the validation.
	message	String	Mandatory	A short description of the status parameter.
	customerName	String	Optional	This is the name of the customer. This is available only if the validation was successful.
	customerAddress	String	Optional	This is the address of the customer. This is available only if the validation was successful.

Table 4.9: education validation request and response payload.

4.5.2 Payment

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Mandatory	The unique identifier of the biller.
	requestId	String	Mandatory	Third party's unique identifier for this request.
	bouquetCode	String	Mandatory	The code of the bouquet which the user wants to purchase.
	amount	String	Mandatory	The price of the bouquet.
	customerName	String	Optional	The name of the customer.
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the validation.
	message	String	Mandatory	A short description of the status parameter.
	pin	String	Optional	This is the purchased pin. This is available only if the payment is successful.

Table 4.10: education payment request and response payload.

4.6 Banking Services

The only service under this category is fund transfer (i.e payout service). It allows customers to send money to any beneficiary's bank account in Nigeria. To get the list of banks, third parties are advised to make use of the bouquet service in section 3.

4.6.1 Customer validation

This service should be used to validate the beneficiary account details.

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Mandatory	The unique identifier of the biller.
	customerId	String	Mandatory	Beneficiary account number.
	requestId	String	Mandatory	Third party's unique identifier for this request.
	bankCode	String	Mandatory	The code of the beneficiary's bank was obtained from bouquet retrieval service.
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the validation.
	message	String	Mandatory	A short description of the status parameter.
	customerName	String	Optional	This is the beneficiary account name.
	sessionId	String	Optional	This is a unique identifier for the transaction on the Nigerian banking system.
	beneficiaryReference	String	Optional	An identifier for the beneficiary.
	kycLevel	String	Optional	The KYC level of the beneficiary.

Table 4.11: Fund transfer validation request and response payload.

4.6.2 Payment

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Mandatory	The unique identifier of the biller.
	customerId	String	Mandatory	Beneficiary account number.
	customerName	String	Mandatory	The name of the beneficiary which was obtained during validation.
	amount	String	Mandatory	The amount (plus the service charge) that the customer wants to transfer to the beneficiary's account.
	requestId	String	Mandatory	Third party's unique identifier for this request.
	senderName	String	Mandatory	The customer's name on the third party's platform. This will be included in the credit alert that will be sent to the beneficiary.
	bankCode	String	Mandatory	The code of the beneficiary's bank was obtained from bouquet retrieval service
	sessionId	String	Mandatory	This is a unique identifier for the transaction on the Nigerian banking system.
	beneficiaryReference	String	Mandatory	A unique identifier of the beneficiary on the Nigerian banking system.
	kycLevel	String	Mandatory	The KYC lever of the beneficiary.
	narration	String	Optional	A short comment. This should not be longer than 15 characters. This will be included in the credit alert

				that will be sent to the beneficiary.
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the validation.
	message	String	Mandatory	A short description of the status parameter.

Table 4.12: Fund transfer payment request and response payload.

4.7 Internet Services

4.7.1 Customer validation

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Mandatory	The unique identifier of the biller.
	customerId	String	Mandatory	Customer's device ID.
	requestId	String	Mandatory	Third party's unique identifier for this request.
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the validation.
	message	String	Mandatory	A short description of the status parameter.
	customerName	String	Optional	This is the name of the customer. This is available only if the validation was successful.
	customerAddress	String	Optional	This is the address of the customer. This is available only if the validation was successful.

Table 4.13: internet validation request and response payload.

4.7.2 Payment

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Mandatory	The unique identifier of the biller.
	customerId	String	Mandatory	Customer's bet ID.
	customerName	String	Mandatory	The name of the customer which was obtained during validation.
	customerAddress	String	Mandatory	The address of the customer which was obtained during validation.
	amount	String	Mandatory	The amount of the bouquet that the customer wants to purchase.
	bouquetCode	String	Mandatory	The code of the bouquet that the customer wants to buy.
	requestId	String	Mandatory	Third party's unique identifier for this request.
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the validation.
	message	String	Mandatory	A short description of the status parameter.

Table 4.14: internet payment request and response payload

4.8 KYC Verification Services

Third parties can make use of these services to verify the details (i.e BVN, NIN and Phone number etc) of their customers.

4.8.1 Customer validation

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Mandatory	The unique identifier of the biller.
	customerId	String	Mandatory	Customer's identifier; this could be BVN, NIN or phone number of the customer
	requestId	String	Mandatory	Third party's unique identifier for this request.
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the validation.
	message	String	Mandatory	A short description of the status parameter.
	customerInfo	Object	Optional	This parameter is present in the response payload only when the status parameter has a value of Valid. For BVN verification, the properties of this object are <i>firstName</i>, <i>middleName</i>, <i>lastName</i> and <i>dateOfBirth</i>. For phone number validation, the properties of <i>customerInfo</i> are <i>ported</i> (a boolean indicator of whether the phone number has been ported to any network) and <i>network</i> (the current operator of the phone number).

				For NIN verification, the properties of customerInfo are <i>title, firstName, middleName, lastName, otherName, maidenName, maritalStatus, email, gender, dateOfBirth, phoneNumber, employmentStatus, profession, language, photo, religion, residenceAddress1, residenceAddress2, residenceTown, residenceLocalGovernment, residencePostalCode, residenceState</i> and <i>residenceStatus</i> .
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Table 4.15: KYC validation request and response payload.

4.9 Airtime Voucher Services

These services generate airtime recharge card pins, and also return a USSD string which the end user can dial to load the airtime.

4.9.1 Payment

REQUEST BODY	Name	Type	Required	Description
	billerId	String	Mandatory	The unique identifier of the biller.
	requestId	String	Mandatory	Third party's unique identifier for this request.
	bouquetCode	String	Mandatory	The bouquet code for the airtime recharge card to be purchased..
	amount	String	Mandatory	The price of the bouquet.
RESPONSE DATA	Name	Type	Required	Description
	status	String	Mandatory	The status of the validation.
	message	String	Mandatory	A short description of the status parameter.

	pin	String	Optional	This is the recharge card pin.
	receiptInfo	Object	Optional	This contains a USSD string and every other necessary information.

Table 4.16: Airtime Voucher payment request and response payload.

5. REQUERY

Third parties can make use of this to double confirm the final status of any transaction. This service should only be used for transactions which occurred not earlier than two months ago. If for any reason, a third party needs to confirm the final status of any transaction which occurred earlier than two months ago, such transaction should be escalated to VAS2Nets' support team. Third parties should note that KYC verification service requests can not be queried.

Endpoint	{BASE_URL}{ENV_URI}requery			
METHOD	GET			
REQUEST BODY	Name	Type	Availability	Description
	requestId	String	Mandatory	The request ID of the transaction which the third party wants to query.

Table 5.0: requery request and response payload

The API response is the same as the expected response of the transaction as documented in chapter 4.

6. RECONCILIATION PORTAL

VAS2Nets will share the login details with the third party. The portal only shows transactions that occurred not earlier the current day less the active data retention period.