Mifumo SMS API

Integration Guide

Secure SMS Messaging Integration for Tanzania

Version 1.0 | October 2025

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SMS API Endpoints

Send SMS

URL:	http://127.0.0.1:8001/api/integration/v1/sms/send/	Method:	POST

Authentication

Include your API key in the header:

```
Authorization: Bearer YOUR_API_KEY
```

Note: Replace YOUR_API_KEY with the key provided by Mifumo SMS.

Request Body

Submit the following JSON payload:

```
{ "message": "Hello from Mifumo SMS!", "recipients":
["+255123456789", "+255987654321"], "sender_id": "MIFUMO",
"schedule_time": "2024-01-01T10:00:00Z" }
```

Parameter Descriptions

Parameter	Type	Required	Description
message	string	✓	SMS text content (max 160 characters)
recipients	array	✓	List of phone numbers in E.164 format
sender_id	string	✗	Custom sender ID (default: "MIFUMO")
schedule_time	string	✗	ISO 8601 datetime for scheduled sending

Sample cURL Request

```
curl -X POST "http://127.0.0.1:8001/api/integration/v1/sms/send/"
\ -H "Content-Type: application/json" \ -H "Authorization: Bearer
YOUR_API_KEY" \ -d '{ "message": "Hello from Mifumo SMS!",
"recipients": ["+255123456789"], "sender_id": "MIFUMO" }'
```

Response Examples

Successful Response

```
{ "success": true, "message": "SMS sent successfully", "data": {
"message_id": "msg_123456789", "recipients": ["+255123456789"],
"status": "sent", "cost": 10.0, "currency": "TZS" }, "error_code":
null, "details": null }
```

Error Response

```
{ "success": false, "message": "Invalid API Key or request
payload", "data": null, "error_code": "INVALID_CREDENTIALS",
"details": "The provided API key is invalid or expired" }
```

Get Message Status

```
URL: http://127.0.0.1:8001/api/integration/v1/sms/status/{m
essage_id]/
```

Method: GET

Get Delivery Reports

```
URL: http://127.0.0.1:8001/api/integration/v1/sms/delivery-
reports/
```

Method: GET

Get Account Balance

```
URL: http://127.0.0.1:8001/api/integration/v1/sms/balance/
```

Method: GET

Contacts API Endpoints

Create Contact

URL:
http://127.0.0.1:8001/api/integration/v1/contacts/create/

Method: POST

Search Contacts

URL:
http://127.0.0.1:8001/api/integration/v1/contacts/search/

Method: GET

Segments API Endpoints

Create Segment

URL: http://127.0.0.1:8001/api/integration/v1/contacts/segm
ents/create/

Method: POST

Webhook Notifications

Mifumo SMS can send automatic notifications to your server when SMS status changes.

Webhook Setup

Include the webhook_url parameter in your SMS request:

```
{ "message": "Hello from Mifumo SMS!", "recipients":
["+255123456789"], "sender_id": "MIFUMO", "webhook_url":
"https://your-domain.com/sms-webhook" }
```

API Key Management

Dashboard Access

```
URL: http://127.0.0.1:8001/api/integration/dashboard/
```

Access your API dashboard to:

• Generate new API keys

• View usage statistics

• Manage webhooks

• Monitor account activity

API Key Permissions

• read: View data and reports

• write: Send SMS and manage contacts

• admin: Full account management

Error Codes

Code	Description
INVALID_CREDENTIALS	Invalid or expired API key
INVALID_PHONE	Invalid phone number format
INSUFFICIENT_BALANCE	Account balance too low
RATE_LIMIT_EXCEEDED	Too many requests
INVALID_SENDER_ID	Sender ID not approved
MESSAGE_TOO_LONG	SMS exceeds character limit

Rate Limits

- SMS Sending: 100 messages per minute
- API Calls: 1000 requests per hour
- Contact Management: 500 operations per hour

Support Information

For assistance, contact:

• Email: support@mifumosms.com

• Website: http://127.0.0.1:8001

• Documentation: http://127.0.0.1:8001/api/integration/documentation/

Mifumo SMS Team

Simplifying SMS Communication in Tanzania