

# MyAfriNIC

Franklin N. Nnebe

**AfriNIC - 4**

16 May, 2006

Nairobi, Kenya

# Objectives

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- Simple, graphical, user-friendly interface
- Member functionality in one place
- Provide enhanced service and support
- Ensure seamless integration with WHOIS

## How it is right now

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person: Michuki Mwangi  
address: Wayaki Way opp Kianda School  
address: P.O. Box 1461  
address: Nairobi, Kenya  
phone: +254 20 1234  
e-mail: michuki@kenic.or.ke  
nic-hdl: MM7-AFRINIC  
changed: 20060516  
source: AFRINIC



# How it is right now

```
#####  
Additional IPv4 Allocation Request Template  
#####
```

Document Name: afrinic-ipv4-add-alloc  
Date: Jan. 2005  
Version: 1.01

```
# MEMBER INFORMATION:  
#  
# LIRs org_id and legal organisation name
```

```
org_id: ORG-XYZ1-AFRINIC  
org_name: Kenya Network Information Center
```

## Problems / Issues

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- Templates are error-prone
- WHOIS email updates often insecure
- Increased reliance on support for basic issues
- Can result in stale WHOIS information



## MyAfriNIC – a solution

- User-friendly form design
- validation checking of input
- Behind-the-scenes automatic template generation
- Automatic updating of WHOIS data
- Can view status of requests submitted
- Better security over data submitted into WHOIS
- Online help for frequently asked questions

# Core Functionality

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- Account Management
- Billing
- Resource Management
- Support
- Help

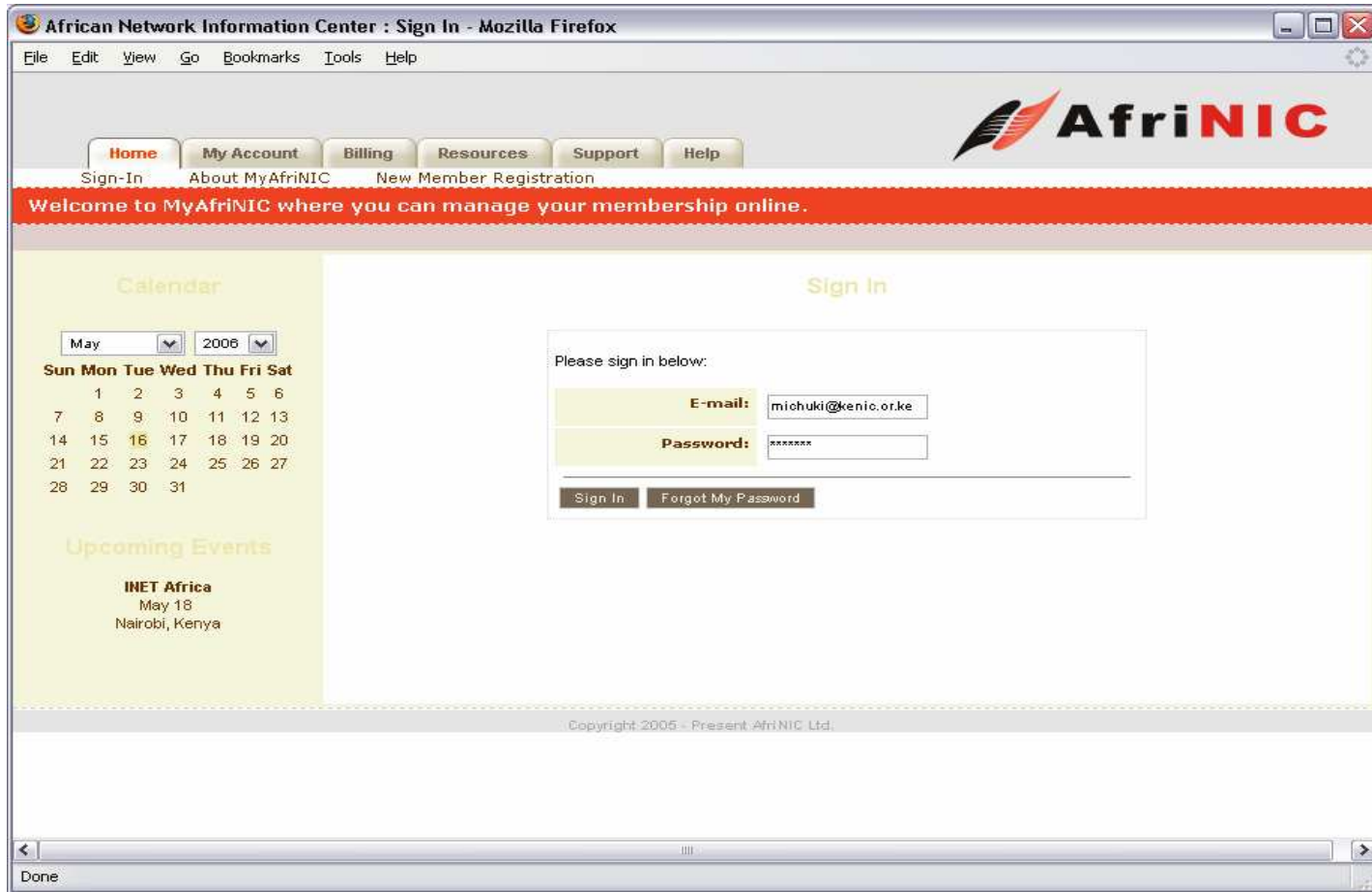
# Account Management

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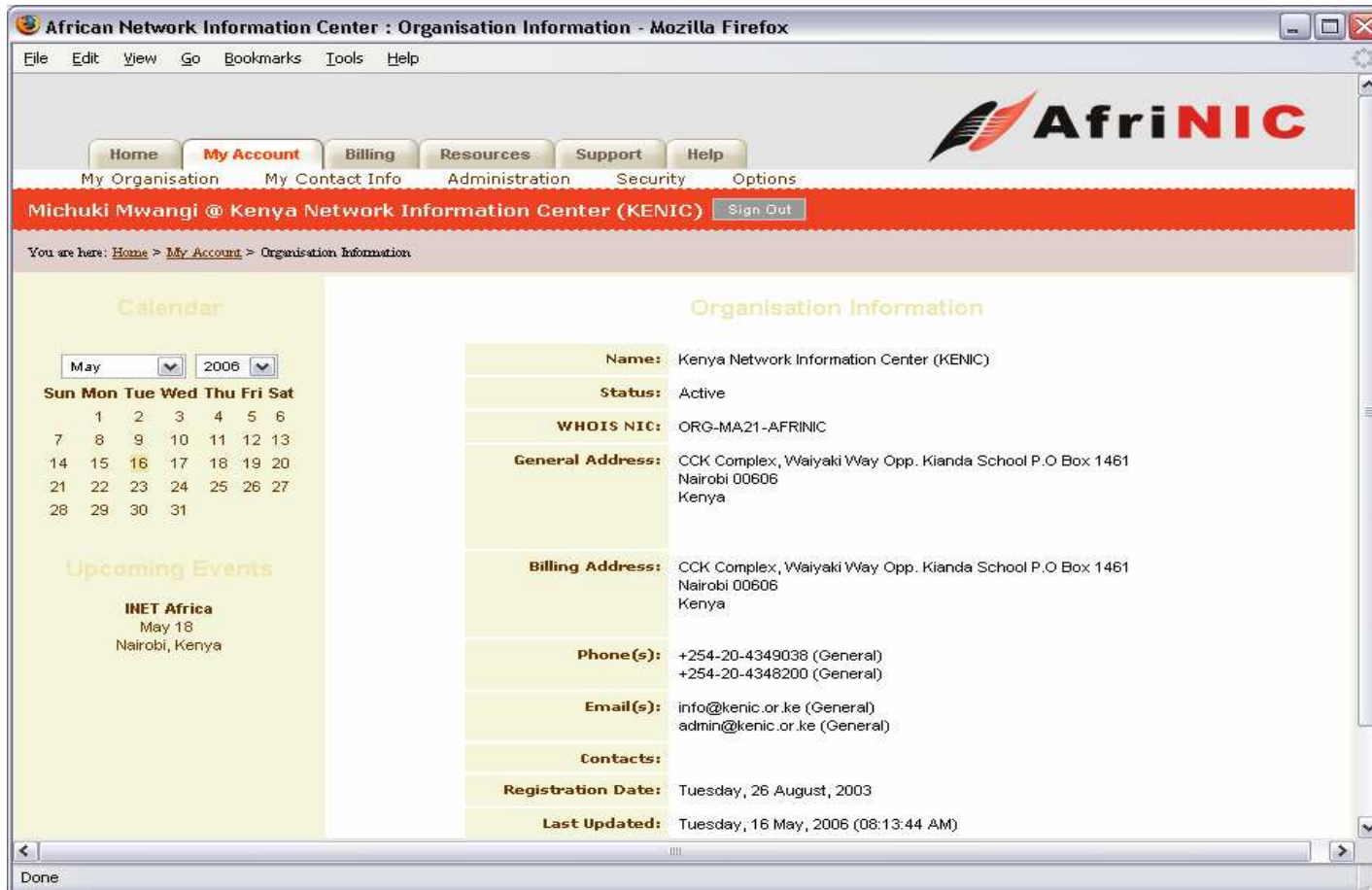
- Organisation Information
- Personal Contact Information
- User Administration
- Notifications
- Security Settings



# User Authentication



# Organisation Information



The screenshot shows a web browser window titled "African Network Information Center : Organisation Information - Mozilla Firefox". The browser's address bar is empty, and the page content is as follows:

**AfriNIC**

Home My Account Billing Resources Support Help

My Organisation My Contact Info Administration Security Options

Michuki Mwangi @ Kenya Network Information Center (KENIC) Sign Out

You are here: [Home](#) > [My Account](#) > Organisation Information

**Calendar**

May 2006

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

**Upcoming Events**

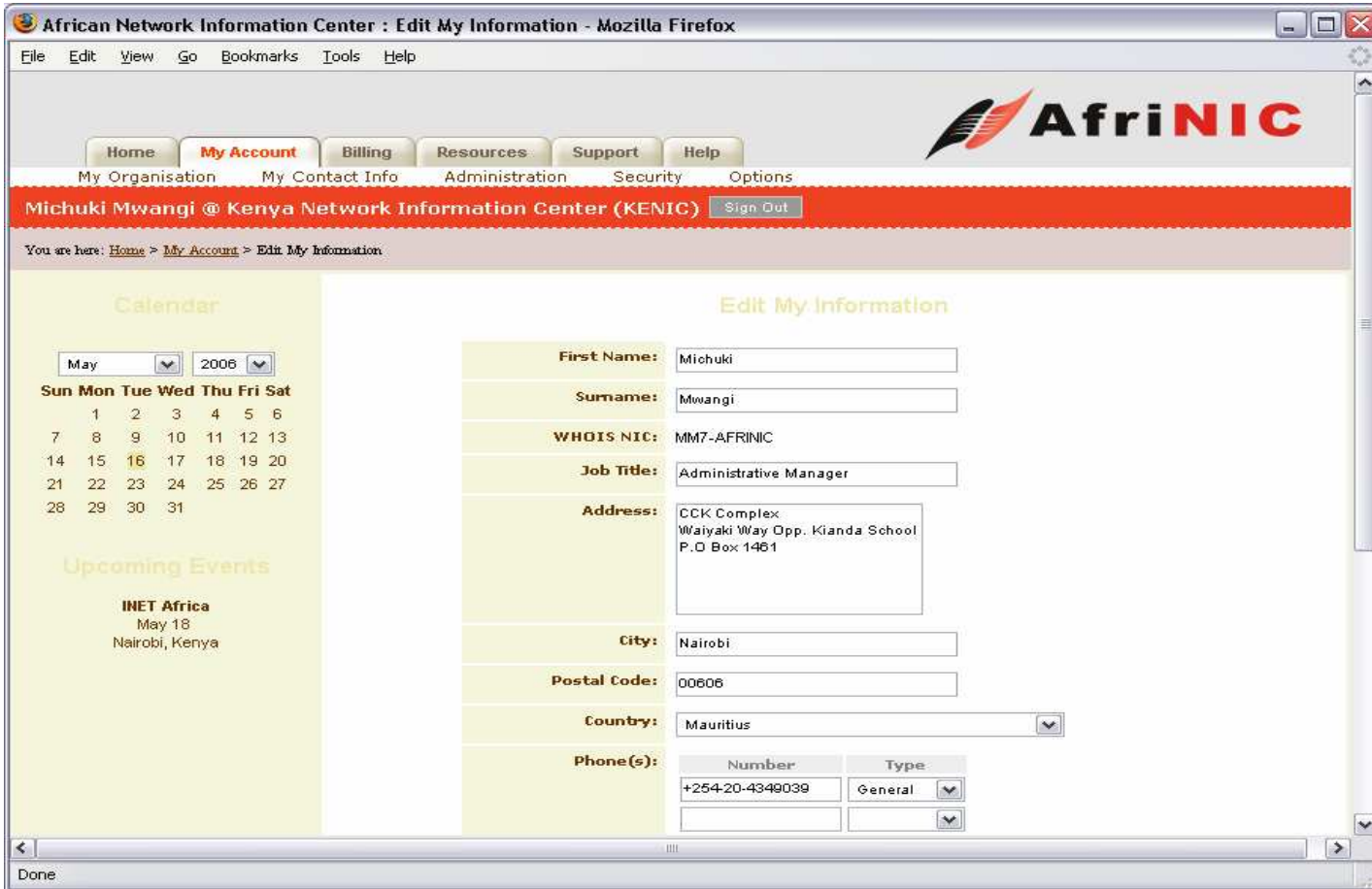
**INET Africa**  
May 18  
Nairobi, Kenya

**Organisation Information**

<b>Name:</b>	Kenya Network Information Center (KENIC)
<b>Status:</b>	Active
<b>WHOIS NIC:</b>	ORG-MA21-AFRINIC
<b>General Address:</b>	CCK Complex, Waiyaki Way Opp. Kianda School P.O Box 1461 Nairobi 00606 Kenya
<b>Billing Address:</b>	CCK Complex, Waiyaki Way Opp. Kianda School P.O Box 1461 Nairobi 00606 Kenya
<b>Phone(s):</b>	+254-20-4349038 (General) +254-20-4348200 (General)
<b>Email(s):</b>	info@kenic.or.ke (General) admin@kenic.or.ke (General)
<b>Contacts:</b>	
<b>Registration Date:</b>	Tuesday, 26 August, 2003
<b>Last Updated:</b>	Tuesday, 16 May, 2006 (08:13:44 AM)

Done

# Personal Contact Information



African Network Information Center : Edit My Information - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

Home My Account Billing Resources Support Help

My Organisation My Contact Info Administration Security Options

Michuki Mwangi @ Kenya Network Information Center (KENIC) Sign Out

You are here: [Home](#) > [My Account](#) > [Edit My Information](#)

**Calendar**

May 2006

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

**Upcoming Events**

**INET Africa**  
May 18  
Nairobi, Kenya

**Edit My Information**

**First Name:** Michuki

**Surname:** Mwangi

**WHOIS NIC:** MM7-AFRNIC

**Job Title:** Administrative Manager

**Address:** CCK Complex  
Waiyaki Way Opp. Kianda School  
P.O Box 1461

**City:** Nairobi

**Postal Code:** 00606

**Country:** Mauritius

**Phone(s):**

Number	Type
+254-20-4349039	General

Done

# User Administration

**Calendar**

May 2006

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

**Upcoming Events**

**INET Africa**  
May 18  
Nairobi, Kenya

**User Administration**

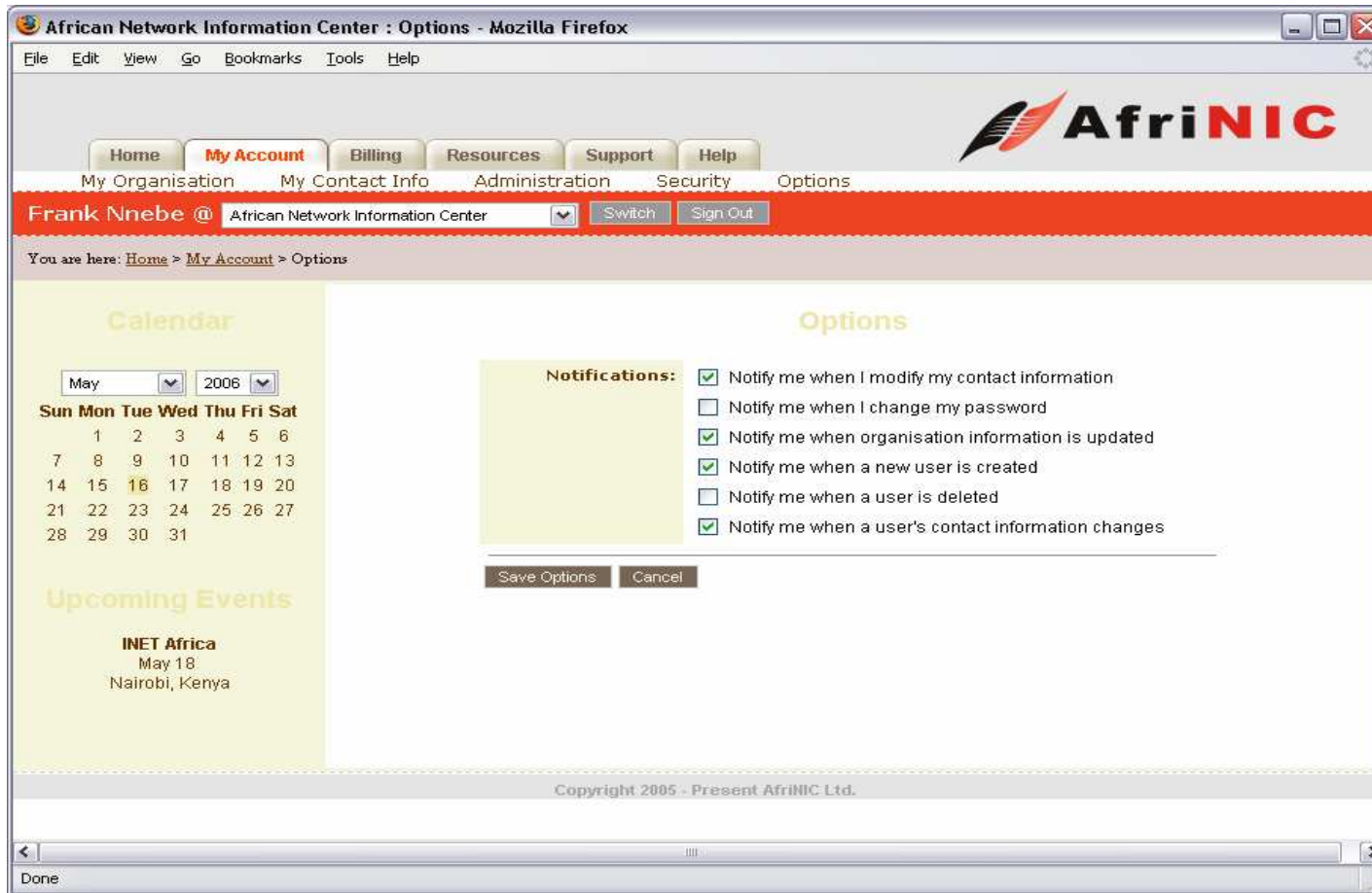
Full Name	Password	Roles						
		Admin	Abuse	Billing	General	Other	Tech	
John Kamau	<input type="password"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Michuki Mwangi	<input type="password"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Frank Nnebe	<input type="password"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**New User**

Full Name	Password	Roles					
		Admin	Abuse	Billing	General	Other	Tech
<input type="text"/>	<input type="password"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

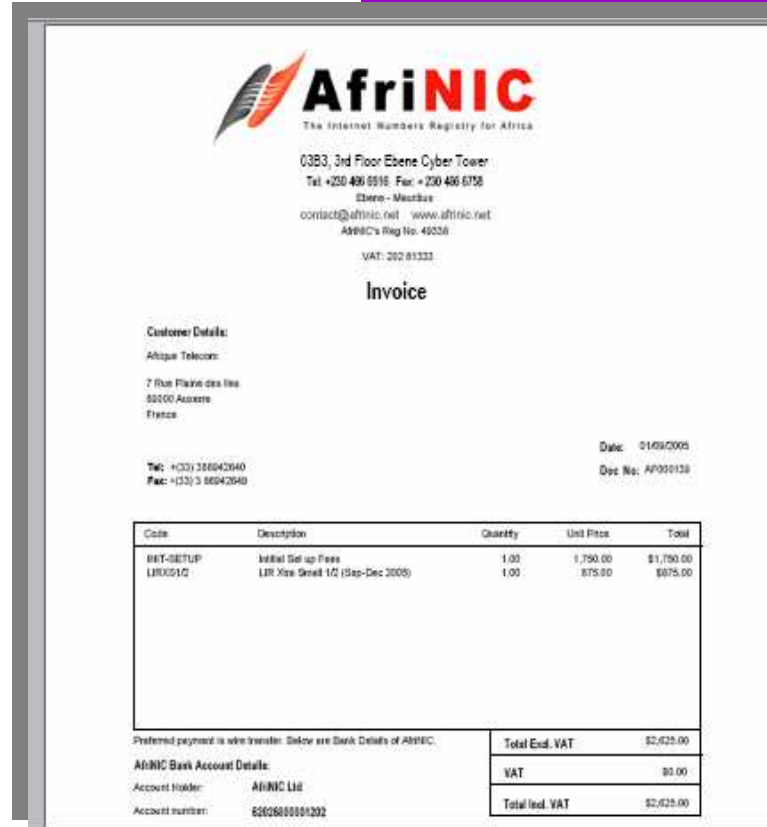
Copyright 2005 - Present AfriNIC Ltd.


# Notifications



# Billing

- Billing History
- Payments History
- Current Invoice
- Pay Your Bill Online




**AfriNIC**  
 The Internet Numbers Registry for Africa

03B3, 3rd Floor Ebene Cyber Tower  
 Tel: +230 486 6516 Fax: +230 486 6158  
 Ebene - Mascotas  
 contact@afriNIC.net www.afriNIC.net  
 AfriNIC's Reg No: 48258  
 VAT: 202 61333

**Invoice**

**Customer Details:**  
 Atqpa Telecom  
 7 Rue Flavin des Iles  
 80000 Asnières  
 France

Tel: +33(0) 3 88 94 26 40  
 Fax: +33(0) 3 88 94 26 40

Date: 01/09/2008  
 Doc No: AF0010138

Code	Description	Quantity	Unit Price	Total
INIT-SETUP	Initial Set up Fees	1.00	1,750.00	\$1,750.00
LIRX021G	LIR Xtra Small 1G (3ap-Dec 2008)	1.00	875.00	\$875.00

Preferred payment is wire transfer. Below are Bank Details of AfriNIC.

**AfriNIC Bank Account Details:**  
 Account Holder: AfriNIC Ltd  
 Account number: 62626800001202

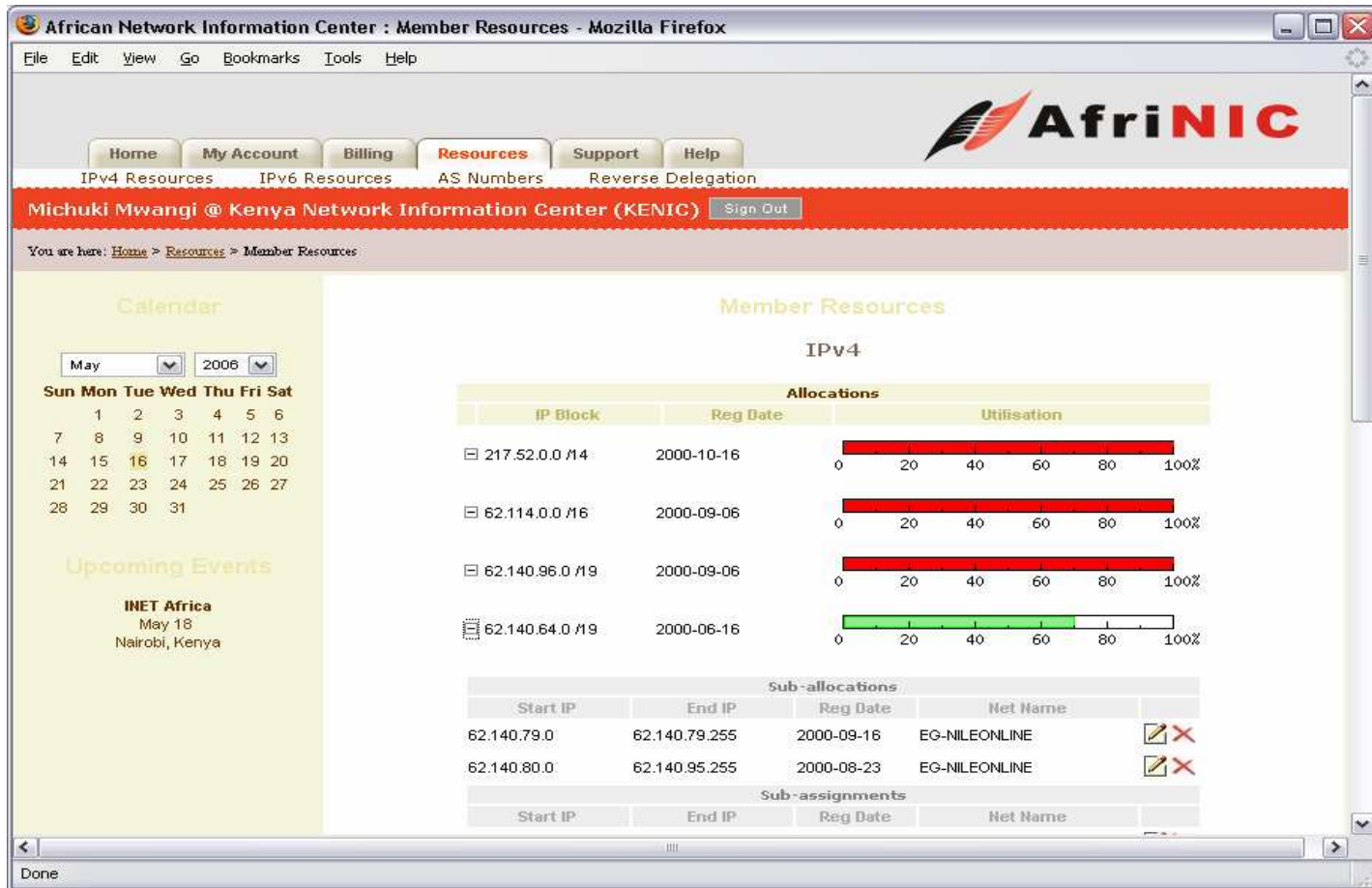
Total Excl. VAT	\$2,625.00
VAT	80.00
<b>Total Incl. VAT</b>	<b>\$2,705.00</b>

# Resource Management

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- IPv4, IPv6
  - Allocations
    - Utilization
  - Assignments
  - Sub-(allocations/assignments)
- ASN Numbers

# Resources



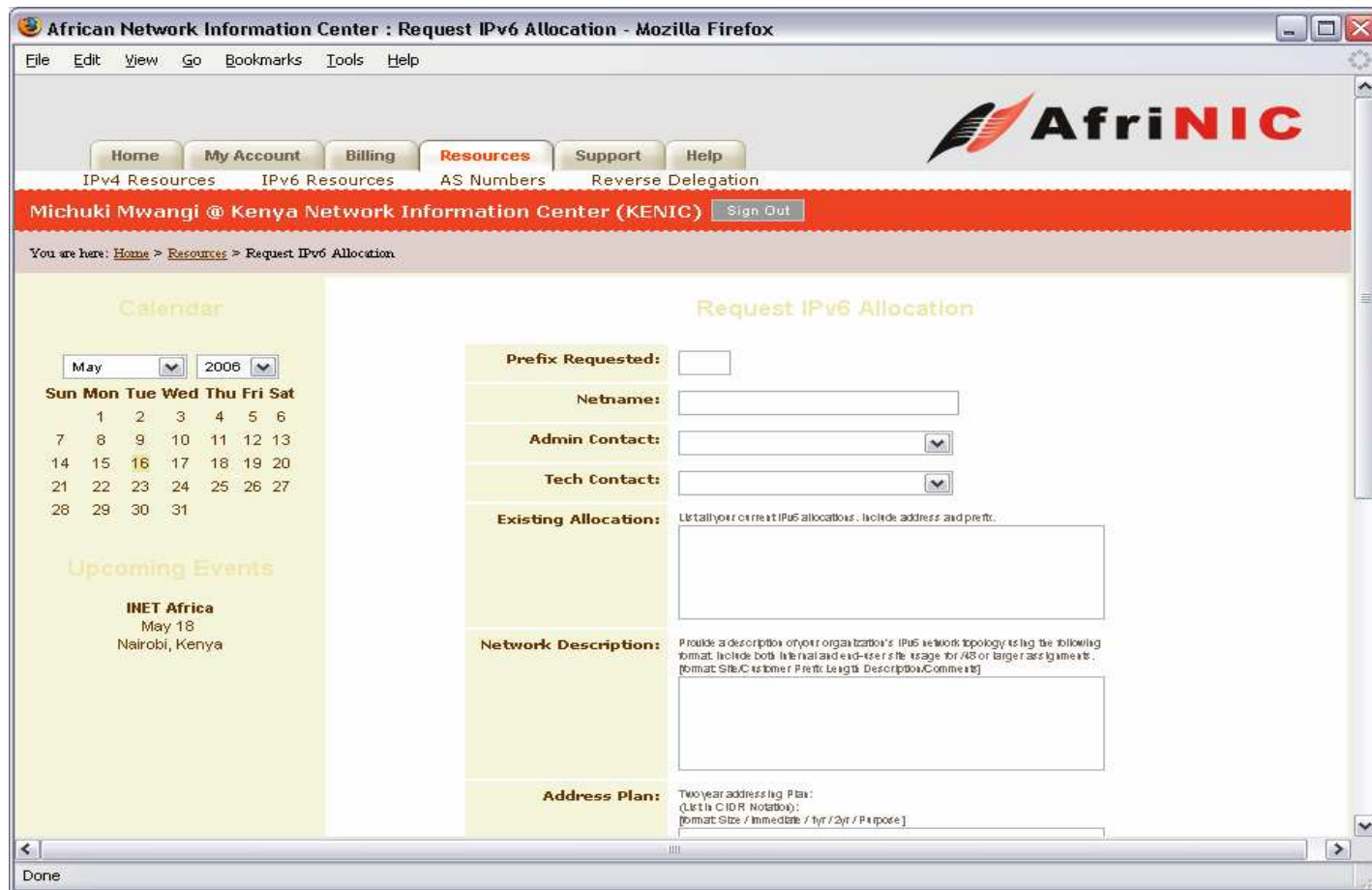
The screenshot shows the AfriNIC Member Resources page. The browser title is "African Network Information Center : Member Resources - Mozilla Firefox". The page features a navigation menu with buttons for Home, My Account, Billing, Resources (selected), Support, and Help. Below the menu are links for IPv4 Resources, IPv6 Resources, AS Numbers, and Reverse Delegation. A user login bar shows "Michuki Mwangi @ Kenya Network Information Center (KENIC)" with a "Sign Out" button. A breadcrumb trail reads "You are here: Home > Resources > Member Resources".

The main content area is titled "Member Resources" and includes a "Calendar" for May 2006 and "Upcoming Events" for "INET Africa" on May 18 in Nairobi, Kenya. The primary section is "IPv4 Allocations", which displays a table of IP blocks with their registration dates and utilization levels. Each allocation is accompanied by a progress bar showing utilization from 0% to 100%.

IP Block	Reg Date	Utilisation
217.52.0.0 /14	2000-10-16	100%
62.114.0.0 /16	2000-09-06	100%
62.140.96.0 /19	2000-09-06	100%
62.140.64.0 /19	2000-06-16	~60%

Below the main allocations table, there are sections for "Sub-allocations" and "Sub-assignments", each with a table listing Start IP, End IP, Reg Date, and Net Name, along with edit and delete icons.

# Resource Requests

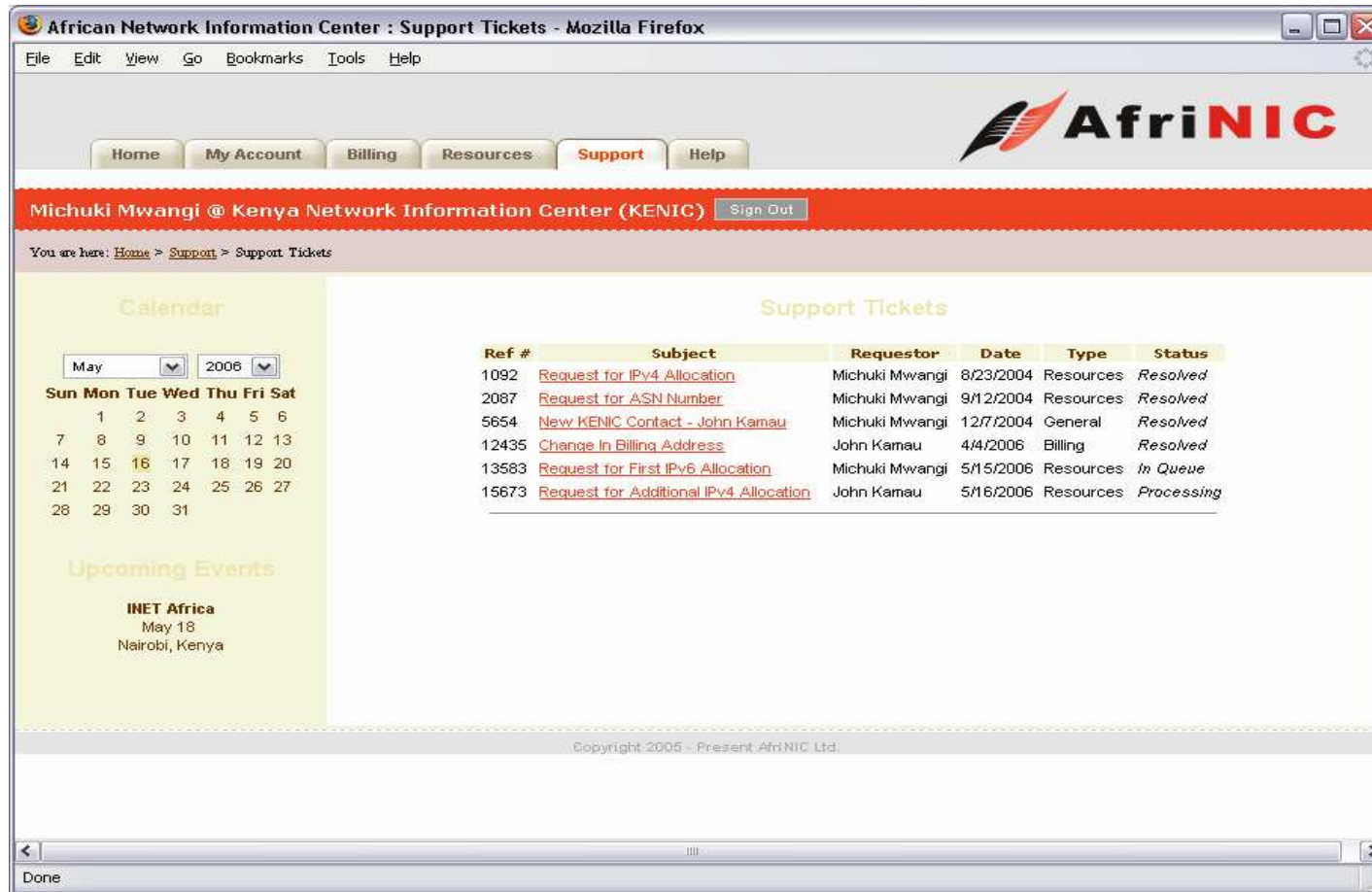


The screenshot shows a web browser window titled "African Network Information Center : Request IPv6 Allocation - Mozilla Firefox". The page features the AfriNIC logo and navigation tabs for Home, My Account, Billing, Resources, Support, and Help. Below these are sub-tabs for IPv4 Resources, IPv6 Resources, AS Numbers, and Reverse Delegation. The user is logged in as "Michuki Mwangi @ Kenya Network Information Center (KENIC)" with a "Sign Out" button. The breadcrumb trail reads "You are here: Home > Resources > Request IPv6 Allocation".

The main content area is divided into two columns. The left column contains a "Calendar" for May 2006 and "Upcoming Events" listing "INET Africa" on May 18 in Nairobi, Kenya. The right column is titled "Request IPv6 Allocation" and contains a form with the following fields:

- Prefix Requested:**
- Netname:**
- Admin Contact:**
- Tech Contact:**
- Existing Allocation:**  (Details your current IPv6 allocations. Include address and prefix.)
- Network Description:**  (Provide a description of your organization's IPv6 network topology using the following format. Include both internal and end-user's usage for /48 or larger assignments. [format: Site/C to home / Prefix Length Description/Comments])
- Address Plan:**  (Two year addressing Plan: (Let's CIDR Notation): [format: Size / Immediate / Yr / 2yr / Purpose])

# Tracking Requests



The screenshot shows a web browser window titled "African Network Information Center : Support Tickets - Mozilla Firefox". The page features a navigation menu with buttons for Home, My Account, Billing, Resources, Support, and Help. The user is logged in as "Michuki Mwangi @ Kenya Network Information Center (KENIC)" with a "Sign Out" button. The breadcrumb trail indicates the user is in "Home > Support > Support Tickets".

The main content area is divided into three sections:

- Calendar:** A calendar for May 2006. The 16th is highlighted in red.
- Support Tickets:** A table listing support tickets with columns for Ref #, Subject, Requestor, Date, Type, and Status.
- Upcoming Events:** A section titled "INET Africa" scheduled for May 18 in Nairobi, Kenya.

At the bottom of the page, there is a copyright notice: "Copyright 2006 - Present AfriNIC Ltd."

Ref #	Subject	Requestor	Date	Type	Status
1092	<a href="#">Request for IPv4 Allocation</a>	Michuki Mwangi	8/23/2004	Resources	Resolved
2087	<a href="#">Request for ASN Number</a>	Michuki Mwangi	9/12/2004	Resources	Resolved
5654	<a href="#">New KENIC Contact - John Kamau</a>	Michuki Mwangi	12/7/2004	General	Resolved
12435	<a href="#">Change In Billing Address</a>	John Kamau	4/4/2006	Billing	Resolved
13583	<a href="#">Request for First IPv6 Allocation</a>	Michuki Mwangi	5/15/2006	Resources	In Queue
15673	<a href="#">Request for Additional IPv4 Allocation</a>	John Kamau	5/16/2006	Resources	Processing

# Help

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- Frequently Asked Questions
- How-to's

# Schedule

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- June 2006 – Trial Rollout
- July 2006 – Version 1.0 Deployment
- December 2006 –Version 2.0
  - Mailing list integration
  - Online voting
  - Events registration integration

# Summary

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User-friendly Web-based interface that enables AfriNIC members to manage their account, information and resources with enhanced service and support.

Thank you.

# Questions

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