

# Zim voice calls decline

THE number of voice call minutes made in Zimbabwe has continued to tumble as more and more people resort to WhatsApp for their voice calls.

A report by Zimbabwe's telecoms regulatory body, POTRAZ, that Techzim has received shows that there was an 8,6 percent drop in calls made by people using their regular mobile numbers.

The report covers the three months from October to December 2016, and compares the telecoms usage numbers to those of the previous quarter.

In the third quarter of 2016, the phone calls made in Zimbabwe to other Zimbabwean phone numbers totalled 924 million.

This number reduced to 844 million in the fourth quarter.

This is not a new trend.

The third quarter itself registered a five percent decline from the second. Looking at the annual period, December 2015 had 1,1 billion minutes which is an annual drop of 29 percent.

The they-are-now-using-WhatsApp theory is backed by the increase of amount of data processed in the quarter — 19 percent — where voice is declining. Of course you do not need to look further than your own usage patterns.

Are you making more WhatsApp calls now than you did in the past?

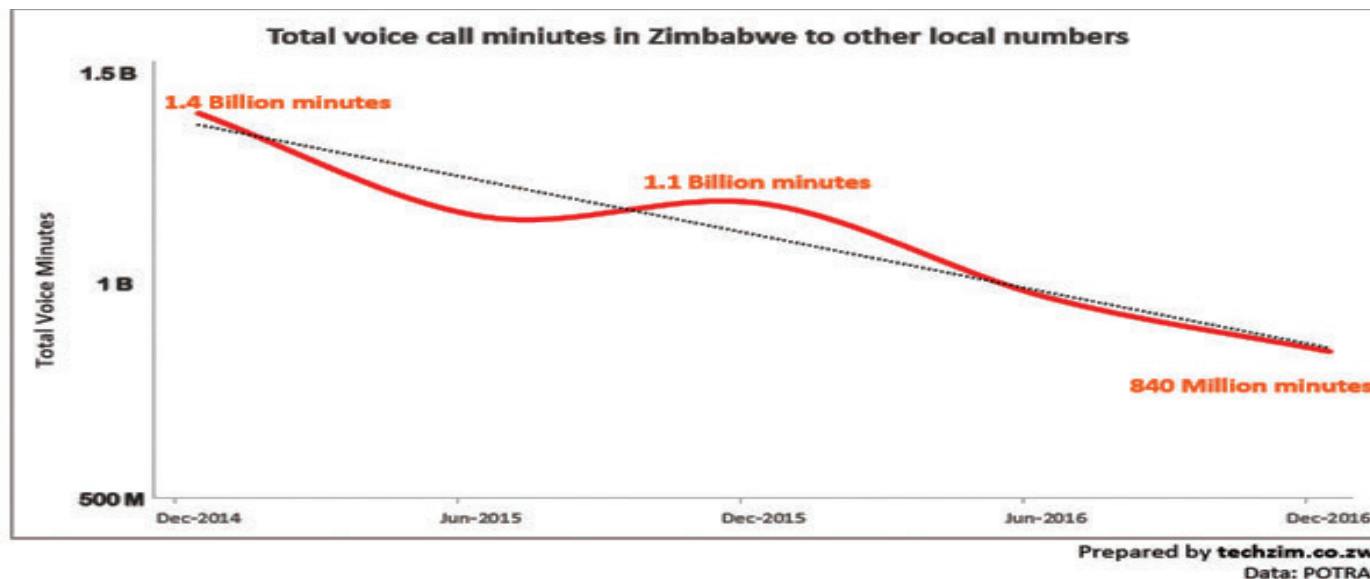
It's tiring writing the same story we have written these past three years.

The story about mobile operators finding themselves in situation where the decline in voice calls means decline in revenue.

They simply do not get the same money from a one minute WhatsApp call that they used to from the traditional voice call.

As usual, the operators are mourning about the losses in revenue this has caused.

Government too is complaining — they have lost tax dollars.



## Ecocash cash-ins and cash-outs drop

THE current liquidity crisis in Zimbabwe has hit mobile money really hard.

A report by the telecoms regulator in Zimbabwe, POTRAZ, says mobile money transactions in the last quarter of 2016, October to December, dropped 35 percent from the previous quarter.

Since 99 percent of all the mobile money transactions in country are EcoCash transactions, mobile money in Zimbabwe really just means EcoCash.

Unfortunately the regulator wouldn't provide any further details, which is quite unhelpful.

However, using numbers in the previous quarter's report, the total value of cash-ins and cash-outs was US\$872 million (split almost evenly between the two).

A 35 percent decline would mean that it's now around US\$568 million with cash-ins and cash-outs around US\$285 million each.

The regulator does say though in the report that there's cause for worry that if this continues, mobile money won't make sense anymore as a business:

"This shows the impact of cash shortages is having on mobile money transactions, which if not addressed, can cause further decline in mobile money transactions, rendering mobile money business unviable due to low volumes."

The numbers that would have been interesting to see would be how much merchant payments are now done via EcoCash.

My assumptions is these are on the increase as they do not require any cashing in or out; salary is deposited by employer into individual's account; individual transfers the money to EcoCash wallet; drives to a service station and buys their fuel using EcoCash, goes to Pick n Pay and pays using EcoCash. — Techzim

08611 THE NETWORK THAT  
BELIEVES IN YOUR  
BUSINESS PRODUCTIVITY

design @ 7 D1298

Move over to Powertel Enterprise VoIP today and enjoy

- Free On-net calls
- Free Gateway
- Free VoIP Soft Switch Installation and Configuration

Download the latest Powertel Mobile Application- PowerConnect Uninvoice.  
Get it on:

[www.powertel.co.zw](http://www.powertel.co.zw)

HEAD OFFICE Harare: No. 2 Coronation Ave, Greendale, Msasa Head Office VoIP: 08611 370 010-16 Powertel Whatsapp: +263 717 205 183

Powertel Jojoba City Shop: Shop 204 - 2nd Floor Jojoba City Cnr Jason Moyo/ Julius Nyerere Way Sales VoIP: 08611 370 017-19

Bulawayo: Ground Floor Fidelity Life Centre, Cnr Fife St/ 11th Avenue VoIP: 08611 370 020-24 Sales VoIP: 08611 208 125

Mutare: Shop 21 First Mutual Centre, No. 86 Herbert Chitepo Ave VoIP: 08611 208 054

[f PowertelZim](https://www.facebook.com/PowertelZim)
[@PowertelZW#](https://twitter.com/PowertelZW#)
(24hrs) 08611 208 222 6
[sales@powertel.co.zw](mailto:sales@powertel.co.zw)
[www.powertel.co.zw](http://www.powertel.co.zw)





World's Fastest  
Camera in Action:  
4.4 Trillion Shots  
Each Second

# TECH NEWS

"moving with the times"



The Financial  
**Gazette**

MARCH 2017 EDITION

BI-MONTHLY

# New area codes; new benefits; ushering in a new era of convergence

CHITUNGWIZA, Juliasdale, Shurugwi, Chipangayi, Cowdray Park (Bulawayo), Macheke (Masvingo), Macheke, Mkoba (Gweru), Epworth and Sunningdale (Harare) Masvingo the new era of convergence has arrived! These areas have now been upgraded and have new area codes and numbers plus many value added services as TelOne heralds the new era of convergence across Zimbabwe.

The upgrade is part of the National Broadband (NBB) project under which TelOne is in the process of upgrading its nationwide system and exchanges.

This will see TelOne being able to provide a better range and quality services to enable customers to enjoy world-class communications.

The upgrade of exchanges will usher in a New Era of Convergence; an era that will see the network providing a wider range of services that will change how people connect and bring Zimbabweans everywhere even more closely together.

The nationwide upgrade will take place in phases and will result in the modification of area codes and landline numbers across the country as TelOne moves to offer world class, cutting edge communication solutions to every Zimbabwean guaranteeing that customers get more from their landline.

Customer's old and new numbers will run concurrently for six months to allow clients ample time to adapt to their new numbers and area code change.

Areas already upgraded under the project include Ruwa, Nkayi, Zvishavane, Karoi, Kariba, Plumtree, Mazowe, Rusape, Chiredzi, Nyanga, parts of Marondera and Mutare, Chitungwiza, Juliasdale, Shurugwi, Chipangayi, Cowdray Park (Bulawayo), Macheke (Masvingo), Macheke, Mkoba (Gweru) with Epworth and Sunningdale (Harare) being the latest beneficiaries.

New area codes and numbers  
Details of new number and area codes for each town or city are available on the TelOne website or watch Press for details.

The list on the website includes upgraded areas, those in progress and upgrades to come. Alternatively affected clients may contact TelOne Call Centre: 950 (from a TelOne number), (04) 700950 (All mobile networks), 0718 700 950 (WhatsApp) or [www.telone.co.zw](http://www.telone.co.zw) for new number prefixes and new area codes.

The converged network will introduce a whole new range of world class services that will enhance and improve the way customers communicate.

Upgrading the network means that customers will be able to enjoy;

- Enhanced crystal clear voice
- Faster internet speeds
- Internet TV
- Interactive Voice Response Services
- Prepaid voice service
- Video and tele-conferencing
- Toll free services

Customers will also be able to recharge their account in advance to avoid surprise bills at the end of the month. The new era of convergence will bring seamless communication with more value-added services than ever before from TelOne.

**For more details on the new number ranges please visit our website [www.telone.co.zw](http://www.telone.co.zw).**

**The Future is here. The Future is now. The Future is TelOne.**

EXCHANGE NAME	EXISTING CODE	NEW CODE	PREFIXING NUMBER
Shurugwi	052	0252	252 xxxxxxx(existing number)
Mucheke (Masvingo)	039	0239	2 xxxxxxxxx(existing number)
Chipangayi	024	0224	2046 xxxxxx(existing number)
Juliasdale	029	0229	20xxxxxxx(existing number)
Chitungwiza	027	(No change to area code)	21xxxxxxx(existing number)
Mkoba 1 & 2 (Gweru)	054	0254	2xxxxxxx(existing number)
Cowdray Park (Byo)	09	029	2xxxxxxx(existing number)
Epworth (Harare)	04	024	2xxxxxxx(existing number)
Sunningdale (Hre)	04	024	2xxxxxxx(existing number)
Macheke	0379	(No change to area code)	2080xxxxxx(existing number)

## The new era of Convergence has landed, to give you more



THE NEW ERA  
OF CONVERGENCE



JERICHO 07/015

Convergence has landed in Zimbabwe, bringing you more of everything.  
More voice clarity. Faster Internet speeds. More choice for Internet television.  
More flexibility when phoning with video calling. And a whole lot more.  
The process of upgrading every Exchange in Zimbabwe has already started, getting ourselves ready to deliver world-class, cutting-edge communication solutions to every Zimbabwean.

Experience a new age of convergence and seamless communication, with more value-added services than ever before.

    
Voice | Broadband | Satellite

**TelOne**  
Bringing You Together

Runhare House, 107 Kwame Nkrumah Avenue  
Harare: (04) 783 565/6, Bulawayo: (09) 717 760 or 886 688, Gweru: (054) 221 794 or 230 617,  
Mutare: (020) 63395 or 67666, Masvingo: (039) 263 284 or 263 384, Call Centre: (04) 700 950

 [clientservices@telone.co.zw](mailto:clientservices@telone.co.zw)  <https://facebook.com/TelOne>  [@teloneZw](https://twitter.com/teloneZw)  
 [www.telone.co.zw](http://www.telone.co.zw)





# CUT: Technology is our DNA



CUT university laboratory

THE School of Engineering Sciences and Technology, Engineering is central to STEM (Science Technology Engineering and Mathematics).

In its various shades seeks to create technology through the application of materials, energy and information.

Engineering is the art or science of making practical application of pure sciences and mathematics in the construction of machinery, bridges, buildings and many other implements as required by society.

The School of Engineering Sciences and Technology has unique STEM related programmes hence central to the country's drive towards reviving the economy through industrialisation.

Key sectors where STEM is crucial include; manufacturing, mining, automotive, construction, information technology, transportation and energy.

It has state-of-the-art laboratories equipped with industry standard equipment, building laboratories for ICT and electronics, production engineering and environmental engineering, offering holistic education with focus on strong technical skill and development of professionals.

The qualified and dedicated staff are committed to build students' dreams and to engineer their future, mentoring students' projects and assignments that focus on real industrial problems with industrial training that provides a taste of working on actual industrial problems and solutions, building extensive links with industry as well as having graduates who are captains of their industries, offering programmes which are well accepted by institution around the world resulting in a wide range of progression routes for further studies at both undergraduate and post graduate level.

The School of Agricultural Sciences and Technology is committed to delivering on the STEM mandate through quality teaching, research and innovation.

It currently comprises six departments offering unique science programmes and will continue to introduce new programmes to support science research in agriculture.

There are numerous senior academics including professors, in all the departments, contributing to the high standards of teaching, learning and research in the School.

The School offers exciting learning facilities for students who are eager to get hands-on experience in a programme of their choice as they will encounter an environment that encourages learning through exploration, experimentation and critical thinking.

The facilities include fully functional laboratories for food science, biotechnology, post-harvest science, animal production and reproduction technologies.

The School also runs a farm fully equipped with machinery, a wide variety of livestock and perennial cropping activity for students from all departments to do farm practice.

The School of Natural Sciences and Mathematics was established in 2013.

It is home to the natural science departments of biology, chemistry, physics and mathematics. The School provides excellent preparation for students in natural sciences for easy transition into higher degree studies and fulfilling lucrative careers through its innovative BSc. (Hons) programmes in Biology, Chemistry, Mathematics, and Physics.

The School of Natural Science and Mathematics is the anchor of technology education in the University, while it offers its own degrees programmes, it is central to all the technology degree programmes offering core sciences and technology courses.

Though relatively young, the school is seized with advancing scientific knowledge through research informed teaching and learning. In pursuit of this noble goal, the School is already directing its energy towards developing a dedicated research core of excellence that will be pivotal in establishing international research partnerships.

The School of Natural Sciences and Mathematics recently partnered with Seeding Labs Inc., USA in setting up one of the best science teaching and research laboratories (STAR Labs).

The STAR Labs are very critical in supporting ground breaking research and research informed teaching in water, health, environment, nanotechnology, energy, food security, biotechnology and information and telecommunication technology (ICT).

The School of Wildlife, Ecology and Conservation is an integral part of CUT.

The field of wildlife, ecology and conservation is part of STEM (Science, Technology, Engineering and Mathematics) and aims at safe guarding biological diversity while also enhancing sustainable development.

Ecologists make best use of the available sciences drawing from different disciplines such as Agriculture, Biology, Botany, Chemistry, Geography, Geoinformatics, Mammalogy, Mathematics, Physics, and Zoology, in order to sustainably utilise wildlife and other natural resources. With the advent of technology, which has become more accessible and continues to play a vital role in everyday life, ecologists have also begun to utilise some of these innovative advancements in conserving biodiversity.

To Z17

# EMBRACING

SCIENCE TECHNOLOGY ENGINEERING MATHEMATICS

# STEM

SUCCESS CAN NEVER BE TAKEN FOR GRANTED. PEOPLE CHOOSE DIFFERENT PATHS. BUT IF THESE ROUTES ARE NOT PAVED IN SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM), THE FUTURE IS BLEAK. SUCCESS STARTS WITH CHINHOYI UNIVERSITY OF TECHNOLOGY

EMBRACING STEM FOR SUSTAINABLE SOCIO-ECONOMIC TRANSFORMATION

CHINHOYI UNIVERSITY OF TECHNOLOGY



# The elephant in Ruzivo Digital Learning

Pardon Gatsi

### What is eLearning?

ELEARNING is so wide and encompassing that it's hard to clearly

provide a definition that actually does the term justice. For the purpose of this article we will define eLearning as education utilising electronic technologies to access educational syllabus outside of a traditional classroom. In most cases, it refers to a course, programme or degree delivered completely online.

Last year, Econet Wireless Zimbabwe launched a digital learning platform called Ruzivo Digital Learning. The online interactive digital learning platform was targeted at both primary and secondary students and it complements government's efforts to provide education resources to help improve the pass rate. Ruzivo Digital Learning was and is a noble idea from Econet.

Ruzivo contains "locally developed digitalised academic content" including interactive lessons, exercises and tests. The packages can be used both in the classroom for lessons and at home for revisions and once a child gets started, Ruzivo will keep his or her progress in all exercises and tests.

Since the launch a lot has happened to the Ruzivo platform and Econet seemed to have pivoted since February. First the platform was going to be for both primary and secondary. As of this writing the Platform is only targeting primary school kids. Targeting primary school kids would have been great but there is a lot of work to be done there. Switching from traditional classroom and face to face teacher training to computer-based training in a virtual classroom makes the learning understanding entirely different for students. Even though Econet through their Higher Life arm have placed teachers in some schools, this seems to help.

The resistance to change by both teachers and students doesn't allow them to adapt to the online learning atmosphere. Teachers are afraid of losing their jobs and for the students it takes time for them to familiarise to Course Management Systems (CMS) and the methods of computer-based education. While passive listening and notes taking are expected in a traditional classroom, creating a web page demand springing into action, students with a "traditional" mindset find it

difficult to adjust; however, they need to accept the new learning conditions with an open mind and heart.

But the challenges I have highlighted above are normal to any change be it a company or country.

The Elephant in Ruzivo right now is the lack of local languages. Ruzivo Digital Learning has no local languages such as Shona and Ndebele. We cannot give reason that the lack of Shona or Ndebele is because of lack of teachers. We have many graduates who can help.

Our government, like other governments made English an official national language. Their motivation behind this is to grow our economy and improve the career prospects of their younger generations. However, our research findings consistently show that learners benefit from learning their home language in education in early grade years .Yet, Ruzivo has not done any "effort" in trying to add these languages.

A crucial learning aim in the early years of education is the development of basic literacy skills: reading, writing and arithmetic. Not adding of Shona or Ndebele will limit the kids skills in learning these languages. Essentially, the skills of reading and writing come down to the ability to command the sounds of a language with the letters or symbols used in the written form. These skills build on the introductory and interactional skills of speaking and listening. Adding Shona and Ndebele help them to develop reading and writing skills faster and in a more meaningful way. One useful reading skill is the ability to guess the meaning of unfamiliar words from context. Another one is the ability to decide which new words in a text are vital to look up in the dictionary and which words can safely be ignored.


We have proof that shows that many skills acquired in the Shona language can be transferred to the second language. So, for example, if your child has developed good reading skills in Shona, she is likely to be able to apply these skills when reading English.

Government introduced the new curriculum in 2016 to balance academics and vocational technical training.

The document was crafted around the recommended around recommendations of the 1999 Commission of Inquiry into Education and Training which was headed by Professor Caiphaz Nziramasanga, with input from a cross-section of stakeholders. Part of the commission's report reads, "There is need for language policy that is clear and explicit ...Indigenous languages facilitate participation by all in the process of development. Throughout the colonial era, indigenous languages were denigrated."

Not adding Shona or Ndebele, will create a Shonophobia in the kids mind. We strongly edge Econet, Ruzivo to add these Languages to their platforms.

WES ENGINEERS & SUPPLIERS T/A



WELDING & & ENGINEERING SUPPLIES

STOCKISTS FOR THE FOLLOWING

PPE

- SAFETY SPECTACLES
- RESPIRATORS & DUST MASKS
- EARPLUGS
- SMELTING SUITS
- KUTSAGA CHEMICAL SUITS
- SAFETY SHOES
- WORKSUITS & GUMBOOTS
- HELMETS
- PVC GLOVES
- LEATHER GLOVES AND

ENGINEERING CONSUMABLES

- WELDING MACHINES
- WELDING CONSUMABLES AND ELECTRODES
- GAS WELDING EQUIPMENT ie TORCHES & REGULATORS
- ELECTRICAL CABLES
- COMPOSITE INSULATORS AND ACCESSORIES
- AND ALL YOUR GENERAL ENGINEERING REQUIREMENTS.

ALL YOUR PPE REQUIREMENTS


10% DISCOUNT UP TO 31 MARCH 2017.

Kwekwe: 982 Royce Street, P.O. Box 1742, Kwekwe Zimbabwe, Tel: (263 -55) 23236/ 23472-3, Fax: (263 -55) 23474, Email: [weskwkwe@gmail.com](mailto:weskwkwe@gmail.com), 0772302509, 0772253129, 0773218501,

Harare:33 Conald, Road, Graniteside, Harare, Zimbabwe,Tel:0864410527, Email: [weldingengineeringsuppliers@yahoo.com](mailto:weldingengineeringsuppliers@yahoo.com), 0772302509,0772404631

Mutare: 5 Industrial Mutare, P.O Box 2941, Mutare, Zimbabwe, Tel: 08644109081, Email: [wesmutare@gmail.com](mailto:wesmutare@gmail.com), 0772302509, 0773017765

Bulawayo: 3 Lobengula Street, P.O Box 8436, Belmont, Bulawayo, Zimbabwe, Tel: (263-9) 77754, Fax (263-9) 77910, Email: [wesbyo2@gmail.com](mailto:wesbyo2@gmail.com), 0772302509,0772360412



THE ZIMBABWE ONLINE MARKETING INDABA

Exploring e-commerce in Zimbabwe

Get to Grips with Current Trends in "Online Businesses"

Indaba: 23 March 8-5pm

Exhibitions: 23 & 24 March 8-5pm

Rainbow Towers Hotel Harare

EXHIBITION SPACE AVAILABLE

Indaba Registration \$120/Person

Exhibitions are open to the public

It's Free to attend exhibitions



TO EXHIBIT or REGISTER CONTACT:



0774129230, 04-253176



[businessindaba@zimbotech.co.zw](mailto:businessindaba@zimbotech.co.zw)



[www.onlinebusinessmarketingindaba.co.zw](http://www.onlinebusinessmarketingindaba.co.zw)





- Discover why your business must be online to survive and thrive
- Discover whether your website is correctly structured to add value to your business.
- Understand how to effectively use bulk SMS and bulk emails to drive sales.
- Find out how to grow your business using online news letters and blogs.
- Making social media work for your business for advertising and branding; YouTube, Facebook, Twitter, WhatsApp, Influencers.
- Importance of online marketplaces.
- Online and mobile payment systems
- Product delivery systems and after sales service
- Google ads - using them for targeted marketing.
- Linking radio to your online activities.

















Bester Zambuko  
C.E.O  
Adrenalin advertsing


Tapiwa Creates  
Blogger

Francis Ebuehi  
Head: Franchise & Classifieds  
Ownai


Abraham  
Zimbotech I.T Solutions




Dr. J Mwenje  
Bindura University




Sifelani Jabangwe  
Vice President, CZI




Simon Bere - Strategist,  
Simon Bere Consulting




Solomon Gumunyu  
E-mail marketing expert




Nyasha Chidavaenzi Choga  
Head: corporate affairs  
Steward Bank



Prosper the Comic Pastor  
Comedian & YouTube  
Product Marketer



Tinashe Nyaruwanga  
Digital Marketing Practitioner



Natalie Morris  
General Manager,  
EcoCash