NEMISA intends to benefit the total SA population by harnessing ICT for equitable prosperity and global competitiveness. It leads in the creation of key e-skills development strategies, solutions and practices within SA.

Contact NEMISA
Developing e-skills for SA's broadband ecosystem [cont]
- Using statistics and online databases
- Young Women from the Eastern Cape: Network training

Trends in e-skills and the e-skills environment
Understanding the Internet of Thing

About NEMISA
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Global interaction to local action
NEMISA at ITU Telecom World 2017

Developing e-skills for SA's broadband ecosystem
- Building local community radio capacity in Mpumalanga
- e-Literacy and IT Tech Support Programme for dependents of military veterans
- Inclusive digital future: e-literacy for people with disabilities in rural Umgabaga, KZN

The provincial e-skills CoLabs
Developing e-skills for SA's broadband ecosystem [cont]
- "Start Your Own Business" training in rural KZN
- eSkills4All teacher training with the Eastern Cape Department of Basic Education

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It is a national catalyst, collaborator, facilitator and responsive change agent in the development of SA – within the context of national goals and within a worldwide evolving information and knowledge-based environment.

NEMISA NPC
www.nemisa.co.za

Sustainable Development Goals
2030

WSU
DUT
NORTHWEST UNIVERSITY
VANDERBILT UNIVERSITY
UNIVERSITY OF THE WESTERN CAPE
Technology has changed... is changing... and will change our world. The changes come in small increments and in major leaps. We are at the point where technology is altering our world so dramatically it is now called the Fourth Industrial Revolution (4IR) or New Production Revolution.

The Fourth Industrial Revolution
A great deal is being said about 4IR – exploring what it means, what will change, how we can prepare ourselves, and more. It has been defined in a number of ways. One of the most prominent explanations was during the 2016 World Economic Forum’s annual think tank event in Davos, Switzerland.

“The First Industrial Revolution used water and steam power to mechanize production. The Second used electric power to create mass production. The Third used electronics and information technology to automate production. Now a Fourth Industrial Revolution is building on the Third, the digital revolution that has been occurring since the middle of the last century. It is characterized by a fusion of technologies that is blurring the lines between the physical, digital, and biological spheres.” (www.weforum.org/agenda/2016/01/the-fourth-industrial-revolution-what-it-means-and-how-to-respons/)
The ITU Telecom World 2017 was held from 25-28 September 2017 in Busan, South Korea. The International Telecommunication Union (ITU) is a specialised United Nation’s agency focused on ICT. The theme for 2017 was ‘Smart digital transformation, global opportunities’.

ITU Telecom World 2017 is a global platform to showcase ICT innovations for social and economic development. It combines an exhibition for digital solutions, a forum for sharing knowledge, a networking hub for nations, organisations and individuals, and awards for recognising global excellence in innovation for social impact. The event is also a platform for forging partnerships.

**Audience:** The audience includes policy makers and regulators, industry experts, investors, SMEs (small and medium enterprises), entrepreneurs and innovators. There was representation from 131 countries.

**South African and NEMISA involvement:** The South African government was part of the event, including holding exhibitions, discussion forums and panels, and networking. NEMISA was one of the invited state-owned enterprises. Other South African entities included government departments and corporates. This was an important NEMISA event, particularly for international exposure, knowledge sharing, thought leadership and partnership development.

• Dr Siyabonga Cwele, Minister of Telecommunications and Postal Services, South Africa, was part of the opening ceremony. See his speech: [https://youtu.be/JkA85JUj3k8](https://youtu.be/JkA85JUj3k8)

• The ITU Telecom World Awards recognise excellence and innovation in ICT solutions with social impact from SMEs and corporates. South Africa’s Simplus Innovation ([www.simplusinnovation.com](http://www.simplusinnovation.com)) won the ’Best business model’ SME award. The SME provides a digital data analytics platform that enables business users to create value from their data.

• It was announced that South Africa will be hosting ITU Telecom World 2018.

**Themes from ITU Telecom World 2017**

• Innovative technologies including 5G, artificial intelligence (AI), virtual reality, and the Internet of Things (IoT)

• Exploring visions of smart societies in the future

• Building a resilient digital future – including the high risk of cyber attacks and the role of data

• Opportunities from smart digital transformation

• Developing and scaling digital literacy

• Industry sectors most likely to lead the 5G revolution

• Potential impact of AI on financial services

**Plenary sessions specific to e-skills (digital skills)**

On 28 September 2017, there was a Plenary Session on ‘Developing human capacity for the digital era’. See the report back - [https://telecomworld.itu.int/2017-daily-highlights-4/developing-human-capacity-digital-era/](https://telecomworld.itu.int/2017-daily-highlights-4/developing-human-capacity-digital-era/).

See also the report back on ‘When connectivity is not enough: driving meaningful digital inclusion’ - [https://telecomworld.itu.int/2017-daily-highlights-4/connectivity-not-enough-driving-meaningful-digital-inclusion/](https://telecomworld.itu.int/2017-daily-highlights-4/connectivity-not-enough-driving-meaningful-digital-inclusion/).
South Africa is on a path of ICT development. A flagship technology project is the rollout of broadband across the country. Creating a network that leads to fast internet access is part of the greater policy vision to position South Africa as part of the Information Society.

### National and international policies drive ICT ecosystem building

The development of technology infrastructure which is part of an ICT ecosystem that includes e-skills (digital skills) is outlined in numerous policies. These include: SA Connect – the broadband policy; the Integrated ICT Policy White Paper, and the National Development Plan (NDP). Global visions are outlined in the Sustainable Development Goals (www.un.org/sustainabledevelopment/sustainable-development-goals/) and the World Economic Forum’s Internet for All (www.weforum.org/projects/internet-for-all).

‘Internet for All’ emphasises the need for an ecosystem approach that simultaneously addresses challenges related to:

- Infrastructure gaps
- Affordability of data and devices
- e-Skills development
- Increased awareness and confidence in using the internet
- Relevant digital content.

Read the report at http://www3.weforum.org/docs/WEF_Internet_for_All_Framework_Accelerating_Internet_Access_Adoption_Report_2016.pdf.

### ‘e-Skills’ as meaningful interactions

The discussion is no longer around just being able to connect to the internet and to use technology but MEANINGFUL interactions and connections. NEMISA and the provincial e-Skills CoLabs (based at universities around the country) have continually pushed for e-skills (digital skills) to be recognised as skills that involve meaningful and effective interactions to positively contribute to individual and communities’ lives.

e-Skills training initiatives are never seen in isolation. Partners, trainers, delegates and all those involved in the initiatives make sure these are positioned within a context that makes a meaningful impact and contribution. Examples include:

- Developing skills to build entrepreneurship
- Enhancing skills for better employment opportunities
- e-Skills as part of developing South African content and further recording of our cultures and heritage
- Upskilling teachers and educators to massify the impact of technology on South Africa as a whole

The following e-skills training interventions provide a sample of the many contexts where e-skills are needed. They range from e-literacy and entrepreneur development to aiding educators to create a technology-enabled learning environment.

### Building local community radio capacity in Mpumalanga

The graduation for the Mpumalanga Radio Production Learnership Programme was held on 12 September 2017 in Witbank, Mpumalanga. The Deputy Minister of the Department of Telecommunications and Postal Services, Ms Stella Ndabeni-Abrahams, was the keynote speaker.

The Deputy Minister noted the importance of community media: “This sector plays an integral role in strengthening our democracy, building an inclusive society and provided communities with an alternative voice.”
Article continued: Developing e-skills for SA’s broadband ecosystem

She encouraged graduates to tell local stories in an authentic and innovative way. Story telling and correct reporting are part of developing South Africa’s Information Society. The Deputy Minister also spoke on individuals creating their own employment.

NEMISA alumnus Hlengiwe Sindane also spoke at the ceremony. She encouraged the graduates to adapt to the ever-changing media industry by continually upgrading their skills.

Delegates: There were 28 learners graduating. This is part of a larger radio production learnership programme across three provinces: Mpumalanga, Eastern Cape and Northern Cape – benefiting 70 community radio stations delegates.

The learnership: Ten Mpumalanga community radio stations took part in the programme. Each radio station chose three candidates for the learnership. The community radio stations were from the following areas:

- Bushbuckridge
- Barberton
- Emalahleni (Witbank)
- eKangala (Nkangala)
- Nelspruit
- Malelane
- Lydenburg
- Middelburg
- Dennilton
- Piet Retief

Partners: This was a partnership between NEMISA and MICT SETA to deliver training in radio production.

About the programme:
The programme ran from 15 May to 9 June 2017. The participants completed three courses. There were 100 delegates in total, divided between Gauteng and KwaZulu-Natal (Pietermaritzburg).

- The eSkills4All e-literacy course was a prerequisite. There was a 98% success rate.
- Goal2Work is a job preparation course – presented by a partner from the e-Literacy e-Skills CoLab.
- The IT Tech Support programme is designed as a skills programme and a part qualification of the IT Technical Support L4 qualification. It comprises of four unit standards and covers the following content:
  - Computer architecture concepts
  - Types of computer systems and associated hardware configurations
  - Data communications
  - Understanding preventative maintenance, environmental and safety issues in a computer environment

Aim:
The purpose is to enable unemployed delegates to develop competence as an IT technical support technician, as well as to prepare delegates for employment. This opens up employment opportunities within the ICT sector.

About the graduation:
Graduation took place at the VUT Science Park in Sebokeng. It was attended by various stakeholders, including delegates from the Department of Higher Education and Training, Military Veterans Association, and VUT senior management. A total of 68 delegates graduated between the three programmes. They received Certificates of Competence for the e-literacy course, Statements of Results for the IT Technical support programme, and an Attending Certificate for the Goal2Work programmes.

Future developments:
Discussions are underway to ensure that the programme will be continued through a formal learnership to complete the IT Technical Support qualification. This process is currently in discussion phase with SASSETA. The e-Literacy CoLab was part of the catalyst process and the other partners will then continue with skills development.
Inclusive digital future: e-literacy for people with disabilities in rural Umgabaga, KZN

The e-Enablement for Effective Service Delivery CoLab and Durban University of Technology (DUT) is conducting e-skills training in the remote rural area of Umgabaga, KwaZulu-Natal. Training runs from 20 September to 27 October 2017.

About the e-literacy course: This programme includes some of the modules and unit standards from the National Certificate: End User Computing (SAQA 61591). Following are the modules being taught.
- Basic ICT
- MS Word
- MS Excel
- Ms Outlook

Delegates: The 30 learners come from the local community and include women, youth, people with disabilities and the unemployed. These learners have committed to five weeks of training. “They all walk for kilometres to get to the training and, for many, this is their first experience using laptops/PCs,” explains facilitator, Ms Nokulunga Nibaza. She has learnt to communicate with a deaf learner.

Partners: KZN e-Skills CoLab, DUT and local government. Mr Bhekurumzi Justice Thabethe, the local councillor, has committed to the training and transports the facilitator and laptops daily. A big thank you to Councillor Thabethe for his assistance.

Certification: Students will receive a Statement of Results as they are not completing the whole qualification. The Statement of Results involves delegates completing a competent Portfolio of Evidence.

Local government response: The local Councillor, Mr Thabethe, thanked the partners for bringing the training to the community. He said that the community members did not have the funds to come to the city for training. He expressed his appreciation on behalf of the community. He believes that the training will empower his community and afford them the opportunity to upskill and be more marketable for the workplace.

e-Literacy training in rural Umgabaga, KZN.

The provincial e-skills CoLabs

The provincial e-skills CoLabs are based at universities. Each leads in a specific area in e-skills:
- e-Inclusion and Social Innovation CoLab, based at the University of the Western Cape
- e-Enablement for Effective Service Delivery CoLab, based at Durban University of Technology
- ICT for Rural Development CoLab, based at Walter Sisulu University
- Creative New Media Industries in-house training based at the National Electronic Media Institute of South Africa (NEMISA) central office, Gauteng
- Connected Health CoLab, based at the University of Limpopo
- Knowledge-based Economy and e-Social Astuteness (e-Literacy) CoLab, based at the Vaal University of Technology
- e-Agro-Tourism CoLab, based at the North-West University
‘Start Your Own Business’ training in rural KZN

From 20-27 September 2017, the e-Enablement for Effective Service Delivery CoLab was involved in the training of ‘Start Your Own Business’. This is a registered Durban University of Technology (DUT) short course. The KZN e-Skills CoLab is based at DUT. The training intervention occurred in Umsunduzi Ward 5, uMgungundlovu District, KwaNkosi.

Delegates: There were 30 delegates – unemployed youth from rural Umsunduzi Ward 5.

Partners: The KZN e-Skills CoLab and DUT took the training to the people with the help of local councillor, Mr Ntokozo Mncube. Ward 5 is a rural area and Mr Mncube indicated that it is not often that training is brought to their communities. He thanked DUT and NEMISA for this initiative.

About the course: ‘Start Your Own Business’ is a five-day programme designed to engage the entrepreneurial mind set and aid delegates in starting their own business. It includes an e-skills component.

Aim: The aim is to provide guidelines and much-needed skills on honing delegates’ business ideas and developing them into a sustainable business. This includes:
- Developing business plans and pitching business ideas
- Seeking funding
- Marketing businesses including market research for setting realistic and attainable goals

The final day involved delegates pitching their business.

Facilitator: The facilitator was Ms Mbali Bhengu, Founder and Managing Director of Mind Switch. Mbali has a MBA and is a young dynamic entrepreneur. She is passionate about youth development. She engaged the group and used a participative learning approach during the programme. “The learners engaged with the programme thoroughly and expressed their happiness at being given the opportunity to do the programme. They all asked what was next,” says Mbali.

Certification: Delegates received a DUT Short Course Certificate of Competence on completing the course.

Future plans: The KZN e-Skills CoLab will engage further with the community to see how best assist the community.

The ICT for Rural Development e-Skills CoLab, based at Walter Sisulu University, Eastern Cape, has been conducting teacher training along with the provincial Department of Basic Education (DBE). This is aligned with national government’s Operation Phakisa: ICT in Education. The aim is to transform learning and teaching through ICTs, develop ICT-competent teachers and produce ICT-capable learners.

Broadband, technology devices, and innovative teaching and learning applications have created new teaching and learning opportunities. These include the ability to share information digitally (such as lessons and materials), facilitate interactive and asynchronous discussions, offer distance teaching, and build online learning communities.

The focus is on equipping schools and teachers to use the emerging
technology and connectivity. (Schools are the priority targets for the initial broadband roll-outs). “By actively supporting the development of digital skills competencies and digital awareness of the educators, the CoLab is also hoping to contribute to improving the Eastern Cape matric results,” explains Ms Lorna van der Merwe, Acting Coordinator of the e-Skills CoLab.

Master trainers to enhance teachers’ digital literacy skills: The initial project involved the training of ‘master trainers’ (e-learning coordinators drawn from throughout the province) to become facilitators of the eSkills4All course. The course is accredited by the South African Council of Educators (SACE) and is offered nationally. Twenty-four of these district e-learning specialists qualified as facilitators in May 2017 and participated in a combined graduation ceremony on 17 July 2017.

Larger rollout: The plan is for the training to be cascaded down to sub districts starting in Mthatha, East London and Nelson Mandela Bay. The first group of 30 teachers from the Mthatha (inland) district started their training in June 2017.

Response to e-skills intervention: “The e-Skills CoLab is excited about the enthusiastic response to these initiatives,” says Ms van der Merwe. “We are grateful for the opportunity to work collaboratively with the provincial department to develop this relationship to benefit administrators, teachers and learners at all of our schools.”

Contact NEMISA
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• 011 484 0583
• PO Box 545 Auckland Park, Johannesburg, 2006
• 21 Girton Road, Parktown, Johannesburg, 2193
Using statistics and online databases

Statistics user training courses are being run at the Durban University of Technology (DUT). The first training – on Supercross – ran from 31 August to 1 September 2017 at DUT.

Partners: The e-Enablement for Effective Service Delivery CoLab has partnered with DUT and Statistics SA to run three training programmes for ICT practitioners and sector users.

About Supercross training: The first course is on Supercross. Delegates can then analyse and apply census data to their own areas. The Supercross database is run on Statistics SA’s website.

Delegates: Delegates came from the KZN Department of Economic Development Tourism and Environmental Affairs, University of KwaZulu-Natal, DUT and the Department of Health. There were 29 in total. The training programmes are targeted at ICT practitioners and sector users – those who are interested and involved in monitoring, evaluating, researching, collecting and managing data.

Certification: Delegates who completed the training received a Certificate of Attendance from Statistics SA.

Future plans: There will be two further Statistics South Africa courses during October 2017.
- How to conduct a survey
- South African Statistical Quality Assessment Framework (SASQAF)

Young Women from the Eastern Cape: Network training

ICT for Rural Development CoLab, based at Walter Sisulu University, organised Cisco training for young women. This is in support of the Eastern Cape Young Women Summit.

The Minister of Tourism Tokozile Xasa, the Deputy Minister of Telecommunications and Postal Services Stella Ndabeni-Abrahams and the Deputy Minister of Transport Sindiswa Chikunga together held the Eastern Cape Young Women Summit at the Mthatha in the Eastern Cape on 26 August 2017.

Delegates: There were 21 young women drawn from ICT SMMEs throughout the province, those employed in networking in the government sector and unemployed.
graduates with basic networking/ICT skills.

**About the course:** The training was held 12-15 September 2017. This is a Cisco course 'Introduction to the Internet of Everything'. Cisco is a networking and telecommunications system. The course provides an overview of key concepts and challenges related to digital transformation. The course examines the evolution of the internet and how the interconnection of people, processes, data, and things is transforming every industry.

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### Trends in e-skills and the e-skills environment

**Understanding the Internet of Things**

Essentially, the internet connects people to people. The Internet of Things (IoT) takes connection further. Think of a scenario where machines connect with machines. Using technology, data and information is collected and exchanged.


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**Your self**

**Track your activity levels:** Using your smartphone’s range of sensors (Accelerometer, Gyro, Video, Proximity, Compass, GPS, etc) and connectivity options (Cell, WiFi, Bluetooth, NFC, etc) you have a well equipped Internet of Things device in your pocket that can automatically monitor your movements, location, and workouts throughout the day.

**Your home**

**Heat your home efficiently:** Smart thermostats like the Nest use sensors, real-time weather forecasts, and the actual activity in your home during the day to reduce your monthly energy use by up to 30%, keeping you more comfortable, and offering to save you money on your utility bills.

**Your city**

**Stop driving in circles:** With the use of installed sensors, mobile apps, and real-time web applications like those provided in Streetline’s ParkSight service, cities can optimise revenue, parking space availability and enable citizens to reduce their environmental impact by helping them quickly find an open spot for their cars.

**Industry**

**Monitor:** Smart Structures’ SmartPile technology is an example in action that uses wireless sensors embedded within concrete foundation piles to ensure the quality and integrity of a structure. These sensors can provide load and event monitoring for the projects construction both during and after its completion.

ICT for Rural Development CoLab, based at Walter Sisulu University, hosts an Open Day

On 11 September 2017, the ICT for Rural Development CoLab, based at Walter Sisulu University, hosted an Open Day at its Buffalo City Campus. Representatives from government, SMMEs, NGOs and NPOs were invited to eSkills4All programme demonstrations. This e-literacy programme has been developed for South Africans and by South Africans.

The focus was on developing potential partnerships. The Acting CoLab Coordinator, Ms Loma van Der Merwe, was on hand to answer questions about the online course and potential implementation models and future partnerships.
The environment
Help protect wildlife: A project by Ground Labs and Lion Guardians is creating an open source wildlife tracking collar system to safeguard the Maasai herders cattle and protect the last 2000 lions living Southern Kenya. The system consists of a tracking collar that uses a GPS/GSM module to locate and track the lions and communicate their coordinates to researchers and Maasai herders via SMS.

The Internet of Everything
Cisco takes the definition further calling it the Internet of Everything (IoE) – as “the intelligent connection of people, process, data and things.” Whereas IoT focuses on communications between machines, IoE includes machine-to-machine communications, as well as machine-to-people and other interactions.

Challenge of cyber security
One of the big challenges around IoT and IoE is cyber security. With the convergence and interconnection, there is even more possibilities for hacking and cyber threats.

Infographic source: https://visual.ly/community/infographic/computers/threat-iot

New NEMISA website
See www.nemisa.co.za and let us know what you think on info@nemisa.co.za.
Join NEMISA’s network
As a national catalyst for the development of e-skills in South Africa, NEMISA calls on e-skills stakeholders to become involved in the integrated approach to e-skills development through our multi-stakeholder collaborative network.

Contacting NEMISA
For more information, contact info@nemisa.co.za.

About NEMISA
Unite around a common pillar to fight poverty and inequality, active citizenry, an inclusive economy, building capabilities, a capable developmental state and leadership working together to solve problems

NEMISA is a globally-recognised collaborative model that allows stakeholders to sustainably meet South Africa’s e-skilling objectives.

NEMISA is a national catalyst, facilitator and responsive change agent in the development of SA, within the globally evolving information and knowledge-based environment, by leading the creation of key e-skills development strategy, solutions, practices and implementation, to benefit the total population.

Alignment to government policy: The above objectives are aligned to the new broadband policy, South Africa Connect, and the National Development Plan 2030, among other national and international goals.

Multi-stakeholder collaborative platform: NEMISA provides a formal multi-stakeholder collaborative platform that aligns all stakeholders (business, government, civil society and education) with a common vision. This common vision ensures that e-skills initiatives are coordinated within a national framework, reducing duplication and increasing impact.

Five focus areas: NEMISA primarily focuses on five components.
- Knowledge for innovation (research)
- e-Astuteness (teaching and learning)
- Multi-stakeholder collaboration
- Innovation
- Aggregation (monitoring and evaluation framework)

Providing national, provincial and community level access: Through collaborative partnerships, NEMISA is organised on a national
Article continued: About NEMISA

Smart community knowledge production centre (smart centre): These allow for interaction and coordination at a local community level. NEMISA’s smart centre network is currently being developed across the country.

NEMISA’s national research network is a multi-stakeholder collaborative network that focuses on knowledge for innovation (research).

### NDP Priority Areas supported by NeSPA 2013

| Pillar 1: | Unite around a common pillar to fight poverty and inequality |
| Pillar 2: | Active citizenry |
| Pillar 3: | Inclusive economy |
| Pillar 4: | Build capabilities |
| Pillar 5: | A capable developmental state |
| Pillar 6: | Leadership throughout society to work together to solve problems |

Wide-ranging opportunities for business: NEMISA’s positioning and organisational model provides numerous opportunities for businesses to engage effectively within the e-skills space:

- There is high-level government engagement. This is integral to developing the e-skills agenda and ensuring that national and provincial policies, as well as all stakeholder decisions, reflect a common goal.
- Business corporate social investment (CSI) has an elevated impact that is aligned with national priorities. The elevated impact and the high-level government engagement allow businesses to position their individual CSI initiatives prominently to their stakeholder base, including the media.
- Businesses are given the opportunity to showcase their talents nationally, provincially and locally.
- Because of the inclusive national priority alignment within the NEMISA’s multi-stakeholder collaborative network, businesses are able to position their work within a local context and a developing country framework.
- The link that NEMISA has with universities through its Colabs and research network means that business can also align new approaches using the benefits of an academic environment and a research function.

Most importantly, NEMISA provides an environment where CSI is part of a model where stakeholders work together – ‘doing with’ and not ‘doing for’.
**Taxonomy for e-skills**

An e-skills taxonomy is more than just definitions. The e-skills agenda requires a shift in thinking with outcomes such as changes in policy. The terms used are part of creating the environment for this shift. Following are definitions for some of the words that form part of the e-skills taxonomy.

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
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| e-Astuteness     | The capacity to continuously appropriate the technology into personal work, education, business, social and family contexts for both personal and collective benefit. e-Astuteness is defined as a knowledgeable capacity, based on personal and interpersonal skills, that involves:  
  - Understanding people and situations  
  - Building alignment and alliances  
  - An acute understanding of strategic direction  
  - Applying strategic behaviour  
  e-Astuteness allows individuals to take personal advantage of ICT in social or economic situations, through the appropriate e-skills. (Building social connections is an example of a social situation and obtaining a job or starting a business is an example of an economic situation.)  
  e-Astuteness does not necessarily depend on formal education or high levels of literacy. |
| e-Literacy (digital literacy) | e-Literacy (digital literacy) is the ability of individuals to use digital tools and facilities to perform tasks, to solve problems, to communicate, to manage information, to collaborate, to create and share content and to build knowledge, in all areas of everyday life and for work. |
| e-Skills | The ability to use and develop ICTs within the context of an emerging South African information society and global knowledge economy, and associated competencies that enable individuals to actively participate in a world in which ICT is a requirement for advancement in government, business, education and society in general. |
| e-Social astuteness | e-Social Astuteness is defined as the use of ICT and e-skills for more astute ways of people interacting with others, which include:  
  - Social interactions  
  - A level of awareness and understanding of diverse social situations  
  - The various alternatives open to them for response  
  e-Astuteness focuses on individual benefit whereas e-social astuteness focuses on interacting with others for group benefit. |

**What is an e-skill?**

An e-skill means being able to use technology so you can actively participate in the world and move ahead.

**Official South African definition (from the National e-Skills Plan of Action)**

The ability to use and develop ICTs within the context of an emerging South African information society and global knowledge economy, and associated competencies that enable individuals to actively participate in the world in which ICT is a requirement for advancement in government, business, education and society in general.