

"Tackle a Block at a Time".

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The Following Full Page Advert appeared in the Sunday Times of 12 Oct 2008.

BUILT ENVIRONMENT PROFESSIONALS FACE HARSH IMPACT OF NEW BILL

The Built Environment Professions (BEP) Bill which has been passed by the Portfolio Committee on Public Works proposes to collapse six (currently independent) professional Built Environment Councils into one "super council". The affected Councils are:

- The South African Council for the Architectural Profession
- The Engineering Council of South Africa
- The South African Council for the Quantity Surveying Profession
- The South African Council for Landscape Architectural Profession
- The South African Council for Property Valuing Profession

The BEP Bill affords the Minister of Public Works extreme political control over the professions in the built environment and virtually removes the role of professionals in critical processes of regulation of each of these professions.

The far-reaching powers that the Bill proposes for the Minister of Public Works - some of which could even infringe on the authority of other Ministers, most notable the Education Minister - could also allow the Minister to arbitrarily exempt individuals or groups from the registration process.

From the effective date all rights, obligations, assets, and liabilities of the existing Councils will be taken over by the "super council" and all employees of the existing Councils will be regarded as being employees of the "new council"

Proponents of the Bill, led by the Department of Public Works, under the former honourable Minister, Thoko Didiza, believe that the consolidated move will see a more standardised approach across the built environment professions, as well as ensure compulsory registration, improved governance and regulation, and top of the agenda - ensure transformation amongst the affected disciplines.

The three largest independent Councils within the Built Environment Profession would like to draw attention to the Department of Public Works' failure over the past eight years, since the enactment of the current legislation, to set or communicate any targets for transformation or to adhere to its own monitoring and review programme - this raises the question, are the Built Environment Councils the scapegoats for the Department's own shortcomings?

No 2. Conversion Calculator

Download a useful conversion calculator and terminology application at
http://www.engnetglobal.com/tips/toolsapp/dl_branded.asp?co=BASE

The said Councils take issue with the way in which this Bill and the preceding policy document have been “frog marched” through processes without any real consultation or consideration of alternatives that could have added much value to it. As a result of this fundamentally flawed process, it is feared that this legislation may serve to create a great white elephant that has neither a link to nor the buy-in of the professionals it intends to regulate – professions whose work has a fundamental and material impact on the health, well-being and safety of the public. It could take the Built Environment back to square one , undoing many of the very important strides already achieved in transformation and international best practice.

Transformation is a process, it cannot happen overnight – rather it needs historically disadvantaged individuals to be educated in greater numbers in an enabling environment which will then support them as they enter the profession. The various skills required by the Built Environment are scarce skills and in some cases they are critical skills. The issue here is that much of this has to do with the skills supply side from our educational system - which the Bill seems to ignore – riding roughshod over current legislation and accreditation systems in Higher Education. In this sense, the problem is much bigger than the professions. The schooling and Higher education systems (over which the Built Environment Professional Councils have no control) are precisely areas of bottle-necking in terms of supplying sufficient numbers of entry level professionals to the system.

The Bill also poses a real threat to the global collaborations in terms of accords and recognition agreements. Current international accords require Councils to be independent in terms of their registration processes, which includes peer review. Government control could have severe consequences for candidate training and recognised prior learning (RPL) assessments, as well as for international accreditation of professionals.

Further opposition to the Bill is that only one seat will be set aside for each of the six existing professional councils. This, on a council consisting of 20 members, will place professional representation at a minority. Furthermore, the far-reaching powers that the Bill proposes for the Minister of Public Works could also allow the Minister to arbitrarily exempt individuals or groups from the registration process.

Government should be mindful of the environment that is being created. Professionals from the Built Environment are a scarce commodity, both nationally and internationally. The BEP Bill could accelerate emigration of built environment professionals as well as reduce the attractiveness of these professions amongst the young people of our country. And all this, because of uninformed and poorly drafted legislation.

Please respond to response@ecsa.co.za

Members are asked to support and comment on the above direct to ECSA.

No 3. The New BEP (CBE) Bill - Training and Registration Implications - One Size Fits All?

Compiled by Viv Nel from a paper written by Prof Hu Hanrahan.

The current Engineering Professions Act describes the ECSA requirements for education and competency against standards for each category of registration.

The education requirements allow a number of alternative paths and include holding an ECSA accredited qualification or qualification recognized under an international agreement or by a qualification that is assessed as substantially equivalent to an accredited qualification.

The normal path from graduation to registration revolves around structured training and experience in the engineering workplace. The candidate, guided by a registered professional, first assists in the work doing defined tasks under supervision. The candidate progresses to contributing more and more individually and as a team member. By the end of the training the candidate must be performing individually and as a team member at a fully

proficient and responsible level which is the level required for registration by ECSA.

The new Bill brings in a council that has a minority of engineering professionals and demotes the present councils to boards. It also radically changes the development model from graduation to registration. This all done without prior consultation with the engineering profession.

The new Bill implies registration as an administrative process and peer evaluation is lost. A candidate who has completed their education and training applies, presents "documents" to the registrar who registers the person. This is a tick the box method. The Board has no direct powers over this administrative registration!

A person in training must register with the council. The Bill mentions a "training facility" that can only operate if accredited by the board. No definition or explanation concerning this is stated anywhere!
Speculating about a training facility gives rise to a number of possibilities.

Employer training facility. (Many in RSA)?
Examining authority who would examine and certify trainees.
Again no explanation or clarity on examination, qualification and accreditation etc.

Centralised training and centralised examining authorities are usually favoured by bureaucrats. Such systems seldom provide the essential and varied experience that is found in the real engineering environments. It is difficult to see a centralized system growing a candidate to meet the standards of registration.

The proponents of a uniform system for all built environment professions have defined a system that is drastically different from the best practice system currently in use.

The imposition of a system that is not appropriate to the engineering profession could well result in the inability to achieve the required present standards for registration and prove to be very costly in more ways than one.

(Industry will probably be getting professionals that are far from professional and without training / experience in the required field of expertise - they are not all the same)!

JFES-IAC E-News No. 5 (7/2008)

http://www.jfes.or.jp/activities/iac_news/jfes-iac_e-news_005.pdf

Note.

The following four mini articles follow the trend we set in our last newsletter. We hope you find them of general interest!

Ed.

Ed. The following item is a repeated by popular demand!

No 4. 200 Questions and Answers on Practical Civil Engineering Works.

This is available as a free download on the links below.

(i) Institution of Civil Engineers (United Kingdom) website

http://www.ice.org.uk/knowledge/document_details.asp?Docu_id=1715&intPage=4&faculty

(ii) World Federation of Engineering Organizations

<http://www.wfeo.org/>

(iii) Imperial College Library

<http://civeselib.wordpress.com/>

(iv). The Barbados Association of Professional Engineers

<http://www.bape.org/>

(v) Turkish Chamber of Civil Engineers

<http://e-imo.imo.org.tr/Portal/Web/IMO.aspx?WebSayfaKey=815>

(vi). Japan Federation of Engineering Societies

No. 5. Working to Clean and Improve Engine Performance.

Iowa State University assistant Prof SC Kong and some 15 graduate mechanical engineering students using all kinds of sensors in engines that record cylinder pressure, energy release, temperature and exhaust emissions etc are studying many small improvements that can increase efficiency. Using high-speed laser based sensors that can record images of injection sprays and the combustion process inside the cylinders they are looking at both diesel and petrol internal combustion engines.

Also being studied is the use of ammonia in engines as it's fairly easy to store compared with pure Hydrogen.

Other interesting items are the use of dissolved plastics in bio diesel to establish if waste plastics can be recycled by mixing it into fuel.

Source Science daily

No 6. New Thermocouple Material

The Northwestern University in the USA have discovered that by adding two metals, antimony and lead, to the well-known semiconductor lead-telluride, a new thermoelectric material that is more efficient at high temperatures than existing materials is produced.

Current thermoelectric technology is only used in niche items such as solid-state refrigeration and cooling as the materials are very inefficient (around 5% Max).

So the new breakthrough could eventually result in material generating electricity from a motorcar's exhaust pipe heat. This could replace the alternator and perhaps even add energy to the transmission. Car manufacturers are looking at this and other methods to increase cars mileage by 5 to 10%.

Source (adapted from Information from Northwestern University USA).

No 7. Solar Cells Efficiency Improved.

The Fraunhofer Institute for Solar Energy Systems ISE in Freiburg in Euope have clamed a new record of 39.7%.

This was achieved using semiconductor multi junction solar cells developed for photovoltaic concentrator technology for solar power stations.

The contact structures have been improved and withstand the concentration of between 300 and 600 suns.

Due to large material and manufacturing costs multi junction solar cells are usually only used in concentrating PV systems and in space.

ED. This is a hot topic!

Source Science daily.

No 8. Safe Radio Active Waste?

It may be possible to reduce radioactive waste isolation time from millions of years to a few hundred.

Prof H Leeb from the Atomic Institute of the Austrian Universities in Europe indicates that actinides, that is elements whose nuclei are heavier than uranium, must be removed from the waste by transmutation into short lived nuclei. While the central idea was formulated in the early mid 20th century only the technological progress in the last decade has made this possible at an industrial level.

Efficient transmutation of radioactive waste requires the development of new facilities including specially designed fast reactors. These reactors are under critical and cannot sustain any chain reaction.

An EU project started in the year 2000 investigated previously unknown reactions of radioactive materials so that a thorough knowledge of neutron's interaction and reactions with other materials would be known.

This ultimately may also lead to a new safer nuclear fuel.

Ed. This should gladden the hearts of the anti nuclear group.

Source Science Daily.

No 9. Postal Delivery Statistics.

The South African Post Office chief executive M Lefoka claims that it achieves a 93% mail delivery rate and that it hopes to increase this to 95% next year. The SAPO made around R565 million in pre tax profits on a turnover of some R5.6 billion. It employs 16000 people and has 5500 service points, 2500 outlets and delivers about 6 million items a day!

Wide spread reports of theft are being tackled by spending millions in increasing security in sorting offices and branches.

Ed. Our experience shows that at least 9 per hundred certificates posted to members don't get delivered. However in defence many certificates are returned unclaimed as members neglect to fetch them from the Post Office! Problematic deliveries and the costs involved are the main reason why we send out Electronic News by E Mail and encourage members to look up the latest engineering news on our websites!!

No 10. E Mail Problems & Tips For Some Subscribers.

To the subscribers who do not get our bulk mailed E News, we offer some tips!

Subscribers of the two Telkom email servers must simply activate their anti spam programs on their mother pages. The step-by-step process is very user friendly; except that when you choose your parameters, simply accept their suggested values.

Absamail and other ISPs have similar rules. Check out your supplier if you experience lack of E news from us.

Members who supplied E mail addresses which end in Spoornet, Transnet, Eskom and government (Gov) etc are warned that our E Newsletter and any E mail going to a group is usually stopped as it is suspected that it is spam.

These members must either make arrangements with their ISP and IT people to let these through or supply a personal private E-mail address. Those with no E-mail must please visit a friend who does have access to the Internet and / or regularly visit an Internet Café and go online to see our Web site where the E News is published. Costs are usually from around R10 for half an hour and get cheaper per minute after that.

The time to upgrade is here!! Ed.

No 11. Small Adverts.

IPET is prepared to place very small text only adverts in the Newsletter if they are deemed to be of direct interest and value to members. The Editor and Executive's decision on any particular advert is final. The adverts may not exceed 100 words and are, for the time being, free. Adverts that just advertise

companies and / or their products are excluded from this offer. Other adverts, for which payment will be required, may be entertained in the future.

No 12. Professional Indemnity Insurance

This is available from;

Engineering and Technology Professional Cover Consultants cc (underwritten by Manwood Underwriters and Nova Risk Partners Pty Ltd)
PO Box 50070 Wierda Park, 0149
Tel 012 653 1819, Fax 086 660 8306, Cell 083 458 5309,
E-mail djj@africa.com

And also from;

Marsh SA, Marsh Vikela (Pty) Ltd
88 Grayston Drive, Sandton, 2196
Tel 011 506 5466, Fax 086 636 5359.
E Mail Vanessa.kleber@marsh.com.

Workshops;

Professor William James and Chris Brooker are scheduling 3-day training

workshops on the latest versions of SWMM5 and PCSWMM.NET

for planning, design and management of simple and complex urban drainage systems.

Dates and locations, all of which will qualify for official CPD

accreditation, are as follows:

Gauteng	October 22-24, 2008
Durban	October 29-31, 2008
East London	November 12-14, 2008
Cape Town	November 19-21, 2008

Find full information by clicking on the appropriate workshop links at

www.chi-workshops.com

Fees: R4700 (US\$600)

Full-time students are entitled to 50% discount.

15% discounts for early bird registration (1 month ahead or more) and two or more attendees from the same organization.

Vacancy: Electrical Technician - Established Randburg Gauteng based Consulting Firm seeks a graduate with National Diploma (Elec) to join Building Services Department. Own vehicle essential. E mail CV to info@proserve.co.za or fax to 086 693 2950.

**THE Engineering Council of South Africa
And the
Engineering Standards Generating Body**

Cordially Invites

You to attend a workshop on the ESGB's proposals for the development of engineering qualifications standards under the HEQF mandate.

WORKSHOP OBJECTIVES

Follows on the IPET / ECSA Workshop on the Higher Education Qualifications Framework held on 1 April 2008.

Report on work completed by ECSA / ESGB

Maturing of thinking on HEQF- compliant Engineering qualifications.

Review of standards for technician and technologist education in light of HEQF.

Present proposals for;

Structure of standards for technician education.

Structure of standards for technologist education.

Obtain buy-in from stakeholders for new qualification structure.

Date: Friday, 7 November 2008

Time: 9h00 – 15h00

Venue: Birchwood Conference Centre

Cost: R250-00 per person

Parking: Free parking will be provided at the hotel.

Shuttle Service: A free Shuttle service is available from OR Tambo Airport and back to the Airport, please contact Birchwood Hotel directly to make shuttle and accommodation (if necessary) arrangements on: tel. 011 – 897 0000 or reservations@birchwoodhotel.co.za

Please reserve and confirm seats with:

Busisiwe Dubazana: busisiwe@ecsa.co.za / 011 607 9580

Leon White: leon@ecsa.co.za / 011 607 9512 / 0839868870

before: Friday, 31 October 2008.

Payments: All payments to be made directly to:

Bank Name: Standard Bank

Account Name: Engineering Council of South Africa

Account Number: 221285938

Branch Code: 018505

Reference: Technology Workshop

Cad4All.

Our affordable software solution to exorbitant CAD fees is ZWCAD. Similar to most CAD programs and it uses the same hotkeys.

It allows opening of existing drawings to save to ZWCAD. It is Windows enabled - will run off Windows Vista.

Stand alone and server versions.

Free 30 day trial version available.

Retails at R5643 incl Vat and one year telephonic support and software upgrades.

Contact www.CAD4ALL.CO.ZA

086 111 2475

E Mail info@cad4all.co.za

No 13. A Small Selection of Enquiries That Hit Our Office!

The following is just for interest and perhaps a grin or two.

I have been resident in New Zealand for the past 16 years and would like to make application for registration as a Professional Technologist with IPENZ.

I attended the Tecknikon Natal Berea Campus in the early 1980's and gained my M Dip. Tech. Civil Engineering:Water qualification in 1985.

I was registered as a Professional Technologist (Engineering) in terms of the provisions of section 30A of the Professional Engineer's Act, 1968 with the Board of Control for Professional Technologists in 1987.

Could you please advise if this registration is recognised by ECSA and if not what steps I now need to take in order to regain professional status if this is indeed possible.

I have attached my Registration Certificate and Statement of Results for ease of reference.

I look forward to your response and thank you for your time and advise in advance.

A full detailed answer was sent but is not published here.

Is there any distinguish between a Pr Tech and a Pr Eng?

I currently hold a B-Tech in Urban Engineering and I have intensions to join IPET and ECSA as soon as my degree is issued to me next month. The reason I asked is it possible that a PrTech's professional judgment be compromised for that of a PrEng or does is this discrimination only between (us as) professionals and in the workplace.

I know I'm not the IPET member for now and I hope I'm not wasting your time.

As it raises some interesting items we publish our Past President, Mr B Pitman's answer below.

To clarify the position you don't join ECSA, you register as a Graduate Engineering Technologist in order to be able to start practicing in what very soon will become a restricted branch of the civil engineering sector of industry. You are welcome to join IPET, the Institute of Professional Engineering Technologists, as a Graduate Member of a voluntary society that represents technologists in all disciplines in the engineering profession and tries to protect their interests and promote their recognition.

The way in which engineers and technologists are used in industry has been the subject of a two year ECSA Steering Committee study into Identification of Engineering Work for purposes of restricting key areas for practice by registered persons, in compliance with the Engineering Act of 2000. Details of the form that this will take can be found on the ECSA website at www.ecsa.co.za under the heading Identification of Engineering Work Steering Committee, IDoEW S/C.

I'm not sure what you mean by judgement being compromised, but industry will in future need to be clear as to what level of qualification and experience is needed

to do work in a restricted category according to the guidelines established by the Steering Committee.

Professional Engineers are expected to be able to work from fundamental principles on design and development where issues are not defined. Technologists work in areas where problems are broadly defined in their area of specialisation while Technicians work in areas where issues are clearly defined.

With a BTech degree you will be eligible to register as a Professional Technologist after 3 years post graduate experience has been gained, one of which must be at a level of responsibility appropriate to technologist status. What work you then undertake must be done under the ECSA Codes of Conduct and IPET's Code of Practice.

I wish I had seen or heard of you before I started studying. I left high school where I achieved reasonable results, not because of lack of intelligence, but I found school work in some cases not very practical. I left with university entrance and thought of going to university and rewriting the entrance exam to try get into Electronics Engineering. I was advised to go to XXX College as I was told they were really good. The Biggest mistake of my life! I completed N6 and discovered allot of corruption as I had people in certain classes then knew very little from previous classes and I could not understand how they landed in my classes. I later took for extra credit and Auto-electronics course which really got me excited about Electronic engineering. I then decided to find work.....No luck. I decided to return to college and did the Pract training, I loved it and received and award for excellence.

Whilst there we had a few students from different Teknicons and to my surprise they couldn't even read the circuit diagrams! They couldn't build anything and ended shorting almost every project given to them. I was surprised and found out they all had high qualifications and were in their last year of studies. I decided I need to find work now, as my mind is fresh, I searched everywhere and applied everywhere and I never gave up. 1year later and I still had no work! I eventually got offered a job in retail as a manager for a large franchise, the owner of the franchise asked me to run a branch for him. I accepted as the franchise was really big and made allot of money and I was paid so well I don't think allot of professionals even made so much. But crime caused me to leave after I doubled the monthly turn over and despite more money offers could not work under fear.

I immediately got an offer as a technician in the mobile phone industry. I worked there just over a year and was made acting manager for the Dec month, despite not even being there a year. The company offered very little tech training and after spending so long looking for work and now working at a company with such little training I could see my memory of all that I learnt slowly fade! The company closed as they wished to invest in their other branch in Kenya. I am once again out of work!

I am applying for my diploma but what really upsets me is that I am almost thirty now, I have two years exp, an N6 and I can't find work. Why do places like XXXXX College still exist? Surely I would have had a better chance in life if I had rather gone to a teknicon or university and saved

myself time.

Do you know if there is any corruption in the engineering field in terms of people having fake qualifications?

Are there any courses I could do to actually improve my situation and make myself more marketable?

I am really good at whatever I do and as time goes by, I forget more of what I learnt, and that just makes things worse and I can't prove myself.

Any advice? I will have to eventually give up on Electronics as I got married before the recent company I worked for closed down and I am so embarrassed that I am married and unemployed.

This was answered in as much details as possible. However the answer is not published here!

Please supply us with a quotation for the following engineering equipment / components.
XXXXXXX (details left out so as to hide identity of sender)

Needless to say our answer is not published here!!

No 14 IPET Merit Medal Sponsored by Caltex Ltd.

IPET annually presents 60mm diameter gold plated medals to the top B Tech engineering students, both male and female, from each University of Technology (formerly Technikon). In addition a 75mm diameter medal is awarded to the best overall engineering student who achieves cum laude standard at the B Tech exit level. If this student is male this award is also given to the best overall female student.

The medals and certificates are presented at an annual function, usually a dinner, to which parents, spouses, betrothed and University Deans are invited.

All the nominees receive an IPET Certificate and one year's free membership of IPET as they are the Universities best B. Tech. Engineering student and deserve recognition.

The prestigious medal consists of a gold plated bronze disc that is suitably engraved. The certificate is suitably worded and embossed and whenever practical is presented in a frame.

The winners for B. Tech's completed in the year 2007 are the following.

Overall winner, Mr Paul Simon Ruthenberg (Electrical) (Cape Peninsula)

Overall Female winner, Mrs Desiree Maduray (Chemical) (Durban)

The other winners in no particular order are;

Mr. Pragasan Kisten (Electrical) (University of Johannesburg)

Mr. Dudley Peter Johnson (Civil) (Tshwane)

Mr. Mark M Nwaila (Industrial) (Vaal)

Mr. Barry Andrew Sole (Electrical) (Nelson Mandela UT)

Mr. De Ville Ian Weppenaar (Electrical) (Central University)

Ms. Riana Y Maletzky (Electical) (Vaal)
Ms. Nozibele Primrose Ntshokotsha (Civil Construction) (University of Johannesburg)
Ms. Ntombizandile N Silala (Electrical)
Ms. Sandri van Heerden (Chemical) (Tshwane)

The awards gala dinner took place on 15th Oct 2008 at the University of Johannesburg Hotel School.

We hope to publish some photos in forthcoming newsletters.

No 15 The Joke Column.

Warning / Disclaimer.

Sensitive readers are warned that the following may erroneously be taken to contain sex, violence, strong language, gender, race, ethics etc. Readers are warned not to read or have any of the following read to them. Recommended readers age is limited to 120 and 121 years of age. A further requirement is you must have a sense of humour.

Khaki: A small plastic and metal object used to start a car engine.

*What was Madona before she was a pop star?
A pre- Madona!*

*What made the Tower of Pisa lean?
A very strict diet!*

Medical yarns.

Barium; What doctors do with their mistakes

Hangnail: A coat hook

A patient reading his dentist bill.

Root canal?!!

He has charged me for the Suez Canal!

Terminal illness: Getting sick at the airport.

South Africa.

"Piet, wake up! Somone is breaking down the back door."

"Quick, call the pizza people."

"Why?"

Well, these days they arrive much quicker than the police."

Cars.

"How old is this car?" the mechanic asked the owner.

"Too young to be smoking behind my back!"

Graffiti.

Don't procrastinate!

Do it tomorrow!

No 16. Free Listing / Advert.

The Institute of Professional Engineering Technologists
(A Voluntary Engineering Association - Not For Gain)
P O Box 1824
Randburg
2125

Tel / Fax / Answering Service 011 797 9706.

E mail engineer@netactive.co.za

Web site www.ipet.co.za

Date 2008/08/31

FREE LISTING / ADVERT FOR YOU AND / OR YOUR FIRM!

If you wish to advertise your services, those of the firm you work for and / or your business / company, then complete the form below and post it back to us. ***Faxes and attachments to E-mails will not be accepted. We require the signed originals.***

The supplied information will be placed on our Web site as a free advert for your engineering service / business.

This service is free to paid up members only. As it is a free service, IPET reserve the right to edit the information provided (to suit the Website space available etc) and to withdraw the service at any time. No guarantee is given that the information provided will necessarily be correct or on the Web site at any particular time.

Since your information will be available to the public at large, you are asked to consider this aspect when supplying the information. As the public will have access to all the information supplied we need your signature and /or that of your authorised employer / business or company representative that placing the supplied information on our Web site is approved and accepted.

I

.....

confirm that I am the authorised person to approve the use of the information I provide in the form below and that this information may be used in a free listing / advert on the IPET Website. I understand that, as this website is open to the public, the information published on it may not be treated as private and confidential. I agree that no claims of any sort against IPET or any of its officials or members pertaining to the information supplied and its placement on the Web site or any consequent actions or liability of any sort whatsoever, will be lodged by me and / or the authorised employer / business or company.

Print Name.....Signed.....

Title of authorised **signature (Owner, Director, Financial Officer, Public Officer etc)**

.....

Dated.....

To assist in completing the form a partial list of Disciplines, Categories, and Specialities is given at the end of the form. The form for completion is overleaf.

Information for placement on IPET Websites.

Last Name	Initials	Business Name	Postal Address 1	Postal Address 2 (Town / City)
Postal Code	Province	Telephone Number	Fax Number	E mail
Engineering Discipline	Engineering Category	Engineering Specialty	Business Registration Number.	VAT Number
IPET Membership Number	Engineering Council of SA (ECSA) Registration Number <small>(supplied to registered individual engineering practitioner)</small>	Any Other Registration Number if applicable <small>(supplied by ECSA to the individual registered person - not to companies)</small>	Engineering Specialty	Other Information

Kindly sign and date this page as well.

Print Name.....

Signature.....Date.....

This list below is supplied as an aid to completing the form.

It is not necessarily complete as there may be other information that should be added to the list.

Engineering Discipline	Engineering Category	Engineering Specialty
Agricultural	Consulting	Generation
Aeronautical	Construction	Distribution
Civil	Commissioning	Roads
Dams	Design	Storm water & drainage
Chemical	Erection	Sewerage
Electrical	Inspection	Bridges
Mechanical	Maintenance	Reticulation
Metalurgy	Manufacturing	Telecommunication
Mining	Operation	Broadcasting
Specialised Scope; Lift Inspector	Quality Control	Township
Specialised Scope; Lifting Machinery Inspection (LMI)	Repairs	Protection
	Training	Other, Etc
	Transport	
	University	
	Water	

**No 17. List of Members in Good Standing.
Please refer to our Website for the latest list.**

It is not reproduced in this newsletter!

If your name does not yet appear there, then kindly check that you have paid your annual fee. If you have then submit proof of payment with your name and IPET number to our office so we can trace records and update lists where required.

No 18.

Unsubscribe Option.

As a member of IPET you should want to receive the E News. If however u do not want to receive the E News as an E Mail then you have the option to unsubscribe.
To unsubscribe send an email with ""IPET unsubscribe"" in the text to engineer@netactive.co.za

Number 19. O. & O. E.

The Institute of Professional Engineering Technologists, its agents, volunteers, workers and members cannot be held responsible for errors in, amendments to, or any damages whatsoever arising from information published in good faith. Opinions expressed by contributors are not necessarily shared by IPET.

QRT

See Next Page for Update Form.

IPET Information Update Form 2008
P O Box 1824
Randburg
2125
Tel / Fax / Answering Unit 011 787 9706

If you need to correct your contact information please use this form. Kindly complete this form in large black font especially for E-mail addresses.

Return the completed form by post or Fax. **E Mailed Update Forms are not accepted.**

Update Forms are also available on our website www.ipet.co.za

All information will be treated as confidential and will not be shared with any other party unless you have sent the signed Free Listing / Advert form which offers free listing on our Website.

Last Name	Initials	Title (Mr / Mrs / Ms /Etc)
Postal Address		
Work Telephone	Work Fax number	Cell Phone
Home Telephone	Home Fax	E Mail address (in large black font please)!
Your IPET Membership Number (Last 4 digits)	Your ECSA Registration Number (If applicable)	
Your signature that info is correct		Date