



ICE and SAICE membership: A South African perspective

February 2008

Joint Civils Division

Introduction

The Institution of Civil Engineers (ICE) and the South African Institution of Civil Engineering (SAICE) first signed an agreement of co-operation in October 1992. Over time the agreement has been reaffirmed and expanded to include the establishment of a SAICE-ICE Liaison Committee to co-ordinate services to members between the two institutions. Discussions on how best the two institutions could work together, given that the majority of ICE members who reside in South Africa are members of both institutions, commenced with the ICE Presidential visit to South Africa in November 2004. The end result of the dialogue between the two institutions was the establishment of the Joint Civils Division of SAICE and ICE, following the ICE Presidential visit in January 2007. The Joint Civils Division has been established along the lines of the very successful Joint Structural Division established between SAICE and the Institution of Structural Engineers (IStructE) in 1993.

This document identifies the grades of membership offered by the two institutions, highlights the benefits of such membership, outlines admission requirements, establishes the membership fees and subscriptions associated with each grade of membership and indicates what mutual exemption arrangements are currently in place regarding professional registration.

Grades of ICE and SAICE membership

The grades of membership of the ICE (www.ice.org.uk) and the SAICE (www.civils.org.za) and their approximate equivalence are as follows:

ICE membership*	SAICE membership*
Student	Student
Graduate	Associate (AMSAICE)
Companion	
Associate (AMICE)	
Technician (TMICE)	Member (MSAICE)
Member (MICE)	
Fellow (FICE)	Fellow (FSAICE)
Affiliate	Participant

* See overview of the grades for SAICE and ICE membership for more information

ICE is a licensed member engineering institution of the Engineering Council UK (ECUK). Provided that their educational qualifications are acceptable to ECUK for the required grade, ICE Members, are eligible to register as a Chartered Engineer (CEng) or an Incorporated Engineer (IEng). Similarly, a Technician Member is eligible to register with the Engineering Council UK as an Engineering Technician (EngTech). (ICE members have to pay a once off entrance fee and annual subscription fee to ECUK for these titles, in addition to the ICE fees.)

SAICE Members (MSAICE) are required at the time of admission to be professionally registered with a South African statutory council or an international body recognized for this purpose by SAICE's Council. The Engineering Council of South Africa (ECSA) registers those engaged in civil engineering. (Those engaged in the management of civil engineering projects may alternatively be registered by the South African Council for the Project and Construction Management Professions (SACPCMP)).

Accordingly, ICE membership is the route to registration with the ECUK. Registration with ECSA, SACPCPM or ECUK is the route to membership with SAICE.

Benefits of ICE membership

The benefits of professionally qualified ICE membership are:

- Free New Civil Engineer (NCE) magazine or New Civil Engineer International (NCEI) magazine.
- Free access to NCE+, the online version of NCE magazine.
- Ask Brunel a question on any civil engineering topic and get a reply within 24 hours.
- Free access to and loans from ICE's Library, one of the worlds most comprehensive civil engineering libraries.
- Eligibility to apply for QUEST continuing education awards and travel scholarships.
- Eligibility to apply for ICE prizes and awards.
- Annual programme of social and learning events in the UK and worldwide.
- Free access to MyICE – a range of online services exclusive to registered members.
- Regular e-newsletters for those registered with MyICE.
- Download papers from ICE proceedings at discounted rate.
- Access to ICE UK regional support teams and country representatives in over 60 countries.
- Use of a related institution's facilities if you are a temporary resident in another country.
- The right to vote in ballot and council elections.
- Eligibility to sponsor applications from candidates seeking a professional qualification with ICE.

Student members get reduced rate subscription to New Civil Engineer (NCE) or New Civil Engineer International (NCEI) magazine and discount on specialist journals. Graduates and members get a free New Civil Engineer International (NCEI) magazine every month as well as access to NCE+ the online version of the New Civil Engineer magazine. They are also able to download papers from ICE proceedings at discounted rates.

The *New Civil Engineer International* is a monthly magazine which provides informative articles on a wide range of topics that are of interest to all types of civil engineers including innovative features of major projects in various parts of the world, brief reports on collapses, failures and disasters wherever they may occur, and feature articles dealing with the issues of the day. This magazine provides valuable insights into global civil engineering practices.

Benefits of SAICE membership

The basic benefits of SAICE membership are:

- Access to SAICE's geographic branches and focus-specific division activities.
- Access to nation wide CPD events hosted by SAICE, frequently at a reduce rate.
- Networking and information sharing opportunities.
- Eligibility for SAICE prizes and awards.
- Eleven issues per annum of SAICE's magazine *Civil Engineering* and four copies per annum of the *Journal of the South African Institution of Civil Engineering*.
- Online website access to the magazine within 2 months of publication, as well as to the journal within a week of publication.
- Electronic "Flipchart" notifications of important events.
- An annual discount on registration with the ECSA (R600 for 2007).
- One CPD credit per annum (which is 20% of the average CPD requirements per annum) in terms of ECSA requirements for continuous professional development.
- Access to a comprehensive book shop giving special discounts to members
- The right to vote in ballot and council elections.
- Free access for Branches and Divisions to SAICE House meeting facilities. (Members are accommodated for special requests regarding ad hoc meetings or making use of facilities.)

SAICE's magazine *Civil Engineering* keeps members abreast of what is happening in the field of civil engineering in South Africa. Each edition has a special focus on a civil engineering practice area or specialist field. The quarterly *Journal of the South African Institution of Civil Engineering* publishes research papers that keep members abreast of technical and engineering science developments, not only within the South African context, but also within the greater African context.

Accords between engineering bodies responsible for accrediting tertiary-level qualifications in engineering

Various international accords have been signed between the bodies responsible for accrediting tertiary-level qualifications in engineering in each of their respective countries. These accords recognize the substantial equivalency of programs accredited by those bodies from the date of full signature status, and recommend that graduates of accredited programs in any of the signatory countries be recognized by the other countries as having met the academic requirements for entry to the practice of engineering.

The Engineering Council (UK) and the Engineering Council of South Africa signed the Washington Accord in 1989 and 1999 respectively. Both Councils signed the Sydney and Dublin accords in 2001 and 2002, respectively. For example, if a person obtains a degree after 1999 from a South African University that is accredited in terms of the Washington Accord that person's qualifications will be recognized by ECUK.

It should be noted that the academic qualifications associated with these accords are linked to the following categories of ECSA and ECUK registration:

Accord*	Categories of registration associated with the various Accords	
	ECSA	ECUK
Washington	Professional Engineer	Chartered Engineer
Sydney	Professional Engineering Technologist	Incorporated Engineer
Dublin	Professional Technician	Engineering Technician

*see <http://www.washingtonaccord.org/> for full details of these accords

Mutual Exemption Agreement

ECSA, SAICE and ICE have signed a Mutual Exemption Agreement (www.ecsa.co.za – see International Affairs). In terms of this agreement, members of SAICE who are registered with ECSA as Professional Engineers of at least one years standing and members of ICE who are registered with the Engineering Council UK as Chartered Engineers of at least one years standing will be accorded corresponding membership and professional registration of the other on receipt of a duly completed acceptable application form and supporting documents. (see ICE website: www.ice.org.uk/joining/joining_mea.asp and ECSA website: www.ecsa.co.za/ for more information).

Application via this route is only available to Professional Engineers/Chartered Civil Engineers who qualified via the ECSA/ICE standard route (i.e. by having the required academic qualifications for that grade, by completing the required training and development and by passing a Professional Review).

The Joint Civils Division has requested ICE and SAICE to engage with ECSA to explore the possibility of expanding the Mutual Exemption Agreement to cover Incorporated Engineers / Professional Engineering Technologists and Engineering Technicians / Professional Technicians.

An overview of the various categories and subscription rates of SAICE membership

The following tabulation provides an overview of the various grades of SAICE membership:

Grade	Outline of admission requirements	Comments	Current fees (2007)*#
Student	Applicant is registered at a tertiary educational institution with the intention of obtaining an academic qualification in civil engineering or is undergoing a regular course of training recognized for this purpose.	First year is free and a second year free student membership can be applied for.	R270 per annum
Associate	Applicant: <ul style="list-style-type: none"> does not satisfy the requirements for admission as a Member but has achieved a comparable status in the profession which is comparable to that of a Member and is connected with civil engineering; or is not eligible for election as a Member but is actively engaged in civil engineering and/or has a suitable civil engineering qualification. 	This grade is intended for those persons who: <ul style="list-style-type: none"> have obtained a degree or diploma in civil engineering and have not yet registered with ECSA, SACPCMP or a recognized international registration body such as ECUK; or works in fields connected with civil engineering. ICE Graduate Members and ICE Associate Members should consider applying.	R680 per annum Graduates with more than 5 years post graduate experience pay R 1060 per annum
Member	Applicant is actively engaged in civil engineering and; <ul style="list-style-type: none"> either holds an academic qualification from a recognized tertiary educational institution or is a corporate member of a recognized engineering institution or society; and is professionally registered with a relevant South African statutory council or recognized international body 	ICE Technician Members and ICE Members should consider applying for this grade of membership	R1060 per annum
Fellow	Applicant: <ul style="list-style-type: none"> has achieved sufficient status in the civil engineering profession to justify his or her election; is not less than thirty-six years of age; and has been a corporate member for at least five years, provided that the Executive Board may in exceptional circumstances waive this requirement. 		R1500 per annum

*Based on early bird payment i.e. before 31 March. Late payments are 25% higher. Retired member fees are discounted.

#Membership of the first division is free. The membership fee of subsequent divisions is R137 per annum (early bird payment)

SAICE charges an entrance fee of R 470.

The ECSA professional engineer application fee is R 2000. ECSA's annual registration fee for members of a recognized voluntary association (e.g. SAICE) is R 988 and R1588 for members who are not.

An overview of the various grades of ICE membership

The following tabulation provides an overview of the various grades of ICE membership:

Grade	Outline of admission requirements	Comments	Current fees and subscriptions* # (2008)
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Student	Applicant must be studying civil engineering (or similar) courses that could lead to future membership.	Student membership of ICE is free, and applications can be made online.	Free
Graduate	Applicant must hold an ICE recognised accredited academic qualification or have been subject to an academic assessment for confirmation of their eligibility.	Applicant has completed a course of study and is working towards becoming professionally qualified. Those who have completed an ECSA accredited degree or diploma leading to professional registration with ECSA should consider applying.	Free to apply £121 *
Affiliate	Applicant works in fields relating to civil engineering such as law and finance, rather than in civil engineering itself.	Affiliate membership is open to those who have an interest in, or work in, the field of the built and natural environment.	Free to apply £121*
Technician member (TMICE)	Applicant must: <ul style="list-style-type: none"> • have a Dublin accord or equivalent qualification in civil engineering; • have completed the ICE3005 Development Objectives to EngTech level and have passed an ICE career appraisal; and • pass a Professional Review (See ICE 3002: Route to Technician Membership for full details) 	Technician members may register with the Engineering Council (ECUK) as Engineering Technician (EngTech). Persons registered with ECSA as Professional Engineering Technician should consider applying.	£100 *
Associate member (AMICE) or Member (MICE)	Applicant must: <ul style="list-style-type: none"> • have a UK bachelors degree or equivalent; • have completed the ICE3005 Development Objectives to AMICE/MICE level and have passed an ICE career appraisal; and • pass a Professional Review (See ICE 3003: Route to Associate Membership for full details) 	These grades can be awarded to a wide range of people who are engaged in a profession that directly supports or is closely allied with, the work of a civil engineer operating in the built environment or who are working as a civil engineer. Registration with The Engineering Council (ECUK) is not possible in these grades of membership. Quantity surveyors, engineering geologists and project managers may consider applying for this grade of membership.	£177 *
Incorporated Member (IEng MICE)	An applicant must: <ul style="list-style-type: none"> • have a BSc or BEng degree or equivalent in civil engineering (Sydney accord qualification) • have completed the ICE3005 Development Objectives to IEng MICE level and have passed an ICE career appraisal; and • pass a Professional Review (See ICE 3001: Route to Membership for full details) 	The member will also qualify for registration with the Engineering Council (ECUK) as Incorporated Engineer (IEng) Persons registered with ECSA as Professional Engineering Technologist should consider applying.	£177*

Chartered Member (CEng MICE)	An applicant must: <ul style="list-style-type: none"> • have a BEng plus MSc or MEng degree in civil engineering or equivalent (Washington accord qualification) • have completed the ICE3005 Development Objectives to CEng MICE level and have passed an ICE career appraisal; and • pass a Professional Review (See ICE 3001: Route to Membership for full details) 	The member will also qualify for registration with the Engineering Council (ECUK) as Chartered Engineer (CEng) Persons registered with ECSA as a Professional Engineer are eligible for this grade of membership and should apply under the Mutual Exemption Agreement	£177*
Fellow (FICE)	Applicant has made a significant contribution to the civil engineering profession or advancing the practice of engineering. (See ICE 3007: Fellowship of the institution of Civil Engineers)	This is the highest class of membership. Applicants should have around 15 years' experience, five of which at a senior level of responsibility related to civil engineering.	£228*
Companion	Applicant works at the same level as Fellows, but in fields relating to civil engineering such as law and finance, rather than in civil engineering itself	Companion membership is open to those who have an interest in, or work in, the field of the built and natural environment.	£177*
Chartered Environment -alist (CEnv)	<i>Applicant must be an Associate, a Member or Fellow and pass an independent Chartered Environmentalist Professional Review. (See ICE 3008: Chartered environmentalist)</i>	<i>Professional title available to those who are already professionally qualified with ICE.</i>	

* Subscriptions quoted are for members resident outside the EU, however SAICE members under the age of 45 may request a concessionary subscription rate of £50 per year

**Application fees vary depending on the grade of membership. An entrance fee of £310 is also charged to those entering the grade of Member, Fellow or Companion unless they have been a member of any subscription-paying grade for at least 2 years. ICE members requiring ECUK or the Society for the Environment (SocEnv) registration must also pay a once off entrance fee and annual subscription fee in addition to the ICE fees. (see ICE webpage: www.ice.org.uk/joining/joining_fees.asp for further details).

Other than Professional Engineers applying under the Mutual Exemption Agreement, applicants will need to apply for an academic assessment (if their qualifications are unaccredited for their desired grade of membership) and a career appraisal before applying for Professional Review. The fees for these are £35 and £165 respectively. ICE has a number of professional review centres outside the UK, but not currently in South Africa. SAICE applicants must therefore be prepared to travel to one of the established centres to sit their review. Locations and application dates for the UK international centres are published on the ICE webpage: www.ice.org.uk/joining/joining_keydates.asp.