

CPD

General Meeting Makopane

14 FEBRUARY 2006



***Association of Mine Resident
Engineers of South Africa***

Presented by Jacey Kruger

BACKGROUND

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- ∅ ECSA is charged by the Government in terms of the Engineering Profession Act, 2000 (Act 46 of 2000) to serve and protect the safety and health of the public by establishing and maintaining minimum standards of practice, knowledge and skills of registered persons as well as the professional ethics amongst them.

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- Ø Registered person, in addition to the above, need to contribute to the advancement of the body of knowledge within which they practice and the profession as a whole.
- Ø Who needs to register? – all persons that make informed engineering decisions (scope, function, ability) as per the framework for IoEW i.t.o. the Engineering Professions Act, 2000

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- Ø CBD must ensure that all RSA registered persons meet the requirements for their continued international registration.

WHAT IS CPD ?

CBD can be defined as the systematic maintenance, improvement and broadening of knowledge and skills, and the development of personal qualities necessary for the execution of professional and technical duties.

(It is not an process to gather academic credits.)

ADMINISTRATION

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- ∅ The CPD system will be administered by ECSA in terms of its obligation under the Act.
- ∅ ECSA has outsourced the responsibility to provide CPD activities according to the specific criteria and guidelines to the recognised voluntary associations (VA), accredited tertiary education institutions and other recognised providers – ECSA will ensure that is conducted in a fair and responsible manner and they have the ability to withdraw this responsibility.

WHAT IS THE EMPLOYER'S ROLE TOWARDS REGISTERED ENGINEERING PERSONS?

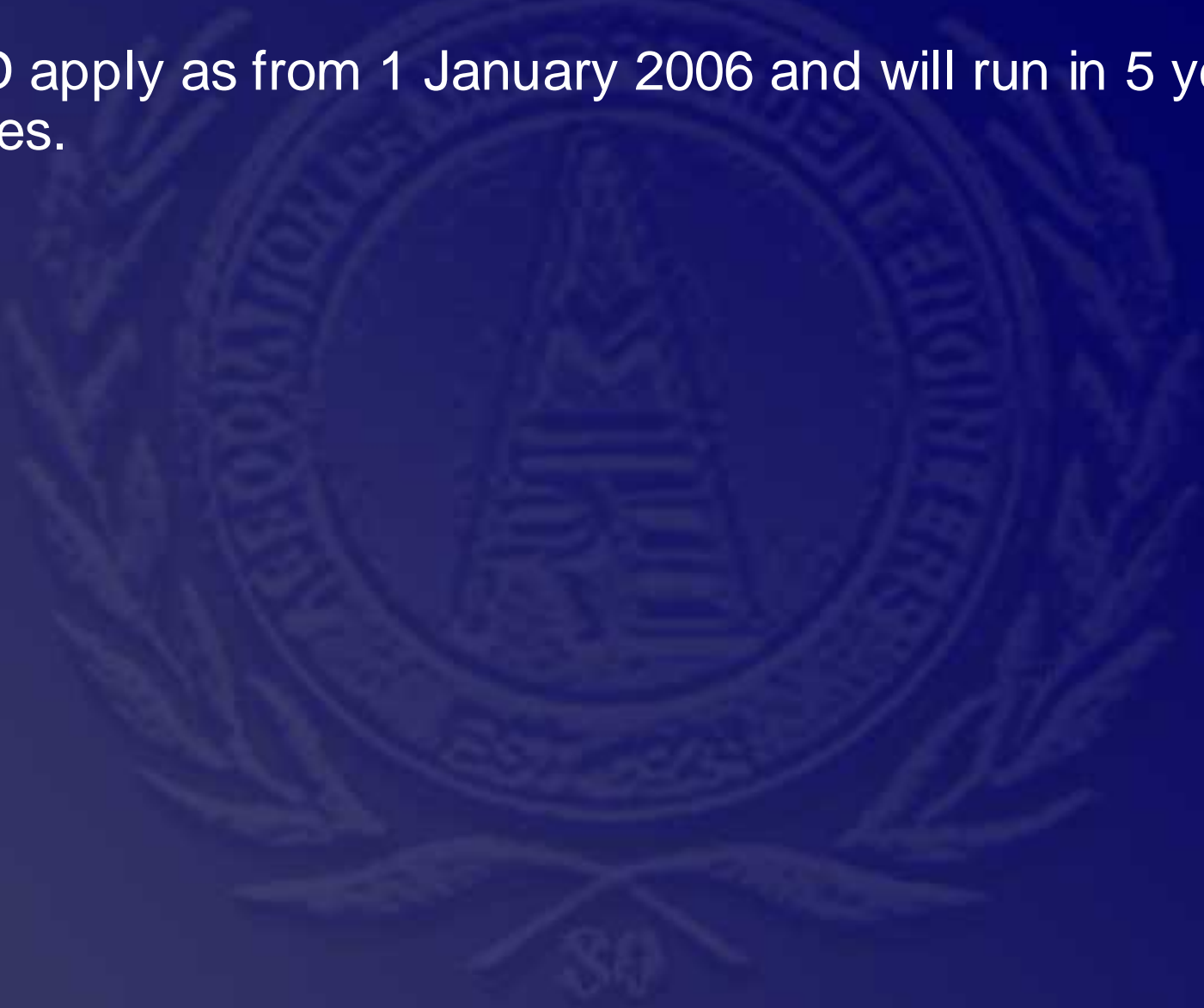
Employers are responsible for creating a suitable work environment, which supports and promotes the participation of registered persons in activities that maintain their competence. Employers also share a responsibility to maintain a work environment in which the continued development of registered persons is assured.

CATEGORIES OF REGISTRATION

- ∅ Professional Engineers.
- ∅ Professional Engineering Technologists.
- ∅ Professional Engineering Technicians.
- ∅ Professional Certificated Engineers.
- ∅ Registered Technicians and Master Technicians.
- ∅ Candidates (not for renewal but for full registration).

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- Ø Persons to keep verifiable evidence of all their CPD activities for at least five years.

Phasing in Periods

Year of First Registration			1969	1970	1971
	1972	1973	1974	1975	1976
	1977	1978	1979	1980	1981
	1982	1983	1984	1985	1986
	1987	1988	1989	1990	1991
	1992	1993	1994	1995	1996
	1997	1998	1999	2000	2001
	2002	2003	2004	2005	2006
First Renewal of Reg.	2007	2008	2009	2010	2011
No. of credits req. For first Reg.	5	10	15	20	25
Second Renewal of Reg.	2012	2013	2014	2015	2016

Phasing in Periods Example

Year of First Registration			1969	1970	1971
	1972	1973	1974	1975	1976
	1977	1978	1979	1980	1981
	1982	1983	1984	1985	1986
	1987	1988	1989	1990	1991
	1992	1993	1994	1995	1996
	1997	1998	1999	2000	2001
	2002	2003	2004	2005	2006
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WHEN TO RENEW ECSA REGISTRATION

Ø Renewal to be submitted 3 months before expiry date.

ACTIVITY CATEGORIES FOR CPD CREDITS

Category 1: *Developmental Activities:*

- 4 credits @ 10hrs/credit

Category 2: *Work-based Activities:*

- Mentoring of candidate practitioners: 1 credit @ 50 hrs/credit
- Engineering Work: 2 credits @ 400 hrs/credit

Category 3 : *Individual Activities:*

- Membership of a recognised VA: 1 credit
- Other activities: 3 credits @ 10 hrs/ credit

Category 1 : Development Activities

Maximum no of credits annually = 4 (40hrs)

- Ø Conferences
- Ø Congresses
- Ø Large group workshops
- Ø Lectures
- Ø Seminars
- Ø Refresher courses
- Ø Colloquiums

Category 2 : Work-based Activities

Maximum no of credits annually = 3

- Ø Engineering related work (incl. management)
1 credit = 400 hrs, maximum of 2 credits pa

- Ø Mentoring of candidate persons in the workplace.
1 credit = 50 hrs mentoring pa.

Category 3 : Individual Activities

Maximum no of credits annually = 4

- Ø Membership of an ECSA recognised voluntary association (engineering society, institution or institute) = 1 credit
- Ø Other activities = 3 credits (30 hrs)
- Ø Lecturing, supervision and evaluation activities related to undergraduate and postgraduate students. Each of these can qualify for 1 or 2 credits.
- Ø A completed postgraduate qualification = 5 credits

Category 3 : Individual Activities

- Ø Publication of a technical article = 1 credit.
- Ø Papers presented at conferences or congresses / poster presentations = 1 credit.
- Ø Participation in statutory, professional, institutional, technical or non-technical committees or task groups = 1 credit / 10hrs.
- Ø Evaluations of educational institutes and ECSA applications for registration =1 credit/10hrs.
- Ø Self-study. All activities must be verified =1 credit/10hours

ROLE OF VOLUNTARY ASSOCIATIONS and TERTIARY INSTITUTIONS

- Ø VA must assist their members in identifying CPD activities as described in Category 1.
- Ø VA to present CPD activities.
- Ø VA to validate and monitor courses, seminars and conferences offered for CPD credits by other providers.

VA must ensure that :

- Ø The activity should serve to maintain or enhance the knowledge, skill or competence of participants.
- Ø The activity meet an educational and developmental need, and provide effective learning experience.

VA must ensure that :

- Ø Participants must be specified (e.g. professional engineers, professional certificated engineers, professional technologists etc.) and where appropriate the discipline.
- Ø Depth and breadth of the subject must be appropriate with adequate time for discussion.

VA must ensure that :

- Ø The subject covered must be balanced and not unduly promotional.
- Ø Presenters must have a proven practical and academic experience and be good communicators.
- Ø Evaluation forms for rating relevance, quality and effectiveness of activity must be provided and analysed.

QUESTIONS ?



www.ecsa.co.za

THANK YOU