

Life Long Learning for H&S Risk Management for IIG Institution Members version v3

The document is aimed at the Professional Institutions and their role in Continual Professional Development. It is intended to be advisory and informative so as to stimulate the provision and development of CPD training opportunities.

Background

In most Institutions, the inclusion of health and safety risk management is mandatory, and explicit, within the Education Base and Initial Professional Development (IPD) phases i.e. up to professional qualification. This provision follows 'UK Spec' produced by ECUK.

However, beyond IPD, although Continuing Professional Development (CPD) is mandatory, and now has to be demonstrated, there is no explicit requirement within the guidance issued by many of the Institutions, in respect of continuing learning relating to health and safety risk management. (It is recognised that the law demands knowledge in this area, as part of competency, but this note is concentrating on Institution guidance).

Thus the aim of this following schedule is to provide guidance to those selecting CPD over their post-qualification career span of some 35 years.

Intent of the schedule

The schedule only attempts to give guidance in relation to 'continued learning'. It is not concerned with the provision of specific guidance in relation to 'competency' (which encompasses learning, experience and education, and is task related); this is too complex to reduce to a simple schedule.

Hence, the schedule provides, over a notional career (i.e. excluding specialists), guidance on the minimum learning that should be acquired. It is deliberately light on detail so as not to become inapplicable to sectors within individual institutions. Individual institutions could of course add another layer of detail if they wished to.

IIG Working Group

This schedule was first derived some years ago by the undersigned in respect of ICE, and subsequently expanded by David Watson to accommodate IStructE. It was not taken up at that time but resurrected within IIG in 2011, when topics were being considered for action and development.

An IIG WG was requested to take the schedule, receive comments as it stood, and develop it to make it applicable to all member institutions. This broadened the church, encompassing IChemE, IMechE, SARS, et al.

Once agreed within the IIG working group, the next stage will be to circulate it to all IIG members. The aim will be to encourage member institutions to adopt it. IIG has no authority in this regard but it is hoped that its reputation and membership will carry weight.

John Carpenter

See next page for the schedule

(This table is intended to reflect the requirements of UK-Spec)

	Career level	Typical level of attainment (cumulative)	Typical means to attain required level
	Education base	As set out in the relevant discipline's accreditation documents and complying with UK-Spec learning outcomes	Via an accredited degree course (CEng, IEng); via workplace experience and/or an accredited academic course (EngTech)
IPD Phase	Trainee Engineer and Trainee Engineering Technician	<p>Level of achievement is demonstration of the EngTec, IEng or CEng route standards of competence, but specifically:</p> <p>CEng, IEng, EngTech</p> <p>1 Has knowledge and understanding of current legislation and best practice relevant to area of work</p> <p>2 Understands and is able to apply the hierarchy of risk control including ALARP/SFARP during design and over the whole life-cycle.</p> <p>3 Understands personal & collective responsibilities & liabilities, generally, and within the organisation.</p> <p>.</p> <p>CEng, IEng</p> <p>4 Understands the criticality of the catastrophic event</p> <p>5 Is aware of current initiatives and industry concerns in respect of health and safety risk (specifically occupational ill health and ergonomics, as appropriate)</p> <p>6 Understands the interaction of safety/health risk with other business related risks.</p>	<p>3+ years of experience and training- post-graduation (CEng, IEng); post qualification (EngTech)</p> <p>In line with requirements of Institution Core Objectives (excluding items such as First Aid and Fire Warden training) whilst ensuring that a broad capability is established. Includes an element of formal training.</p>
	Qualified Engineer and Qualified Engineering Technician	<p>CEng, IEng, EngTech</p> <p>1 Is totally familiar with and able to routinely apply means to eliminate hazards and reduce risks in area of work.</p> <p>2 Able to manage and apply safe systems of work</p> <p>3 Aware of contemporary practice and concerns</p> <p>CEng,</p> <p>4 Able to undertake monitoring of relevant safe systems of work.</p> <p>5 Seeks to improve systems</p> <p>6 Able to relate health and safety risk management to good management and business success.</p> <p>7 Leads by example.</p>	<p>CEng, IEng, or EngTech</p> <p>1 Achieves on-going CPD on health and safety risk matters.</p> <p>2 Ensures CPD training is specifically obtained on new or revised Regulations and for industry developments.</p> <p>3 Achieves self-development in this area</p>
CPD Phase	Senior Engineer and Senior Engineering Technician	<p>CEng, IEng, EngTech</p> <p>1 Able to advise younger engineers/technicians in health and safety risk matters.</p> <p>2 provides positive role in health and safety risk management matters</p> <p>CEng, IEng</p> <p>3 Able to undertake simple health & safety audits.</p>	

	Career level	Typical level of attainment (cumulative)	Typical means to attain required level
	Manager (or equivalent)	CEng, IEng, Eng, Tech 1 Able to inculcate a health and safety culture within team. Ensures anyone reporting to them has the opportunity to maintain competence. 2 Understands the need to benchmark and review progress. 3 Understands the wider occupational health and safety responsibilities of managers. 4 With support, able to implement a comprehensive health and safety management system 5 Understands the need to demonstrate commitment.	1 Achieves on-going CPD on health and safety risk matters. This should encompass the wider issues of managerial responsibility. 2 Ensures CPD training is specifically obtained on relevant new or revised Regulations. 3 Achieves self-development in this area
	Director or Partner (or equivalent)	CEng, IEng, EngTech 1 Capable of formulating health & safety policy with advice from a competent source. 2 Has good understanding of current legislation and Regulations necessary to fulfil role as Director. 3 Understands the responsibility of Directors towards health & safety risk management. 4 Is aware of current initiatives and drivers in the health and safety field affecting staff and work. 5 Understands the need to lead from the front and to support staff, and does so.	Achieves on-going CPD on health and safety risk matter encompassing the wider issues of senior managerial responsibility and should include a formal element for this level.

Miscellaneous specialist roles such as CDM Co-ordinator, Inspector etc are for individual institutions to add.