Public comment response template to Discussion Paper: Maintenance Practising Certificates	of Competence for
Please send submissions by email to consult.minesafety@industry.nsw.gov.au Submissions must be received by the due date of Monday 1 February 2016.	ستعملان. ا
Name: Ian Webster	
Organisation (if applicable): Ampcontrol Pty Ltd	
Responses to discussion points	
Is the proposed model for the MOC scheme suitable for application for practising certificate I	holders in NSW?
Response:	<u> </u>
Are the areas of competence and their topics suitable and cover the areas adequately?	
Response: Figure 2 in the discussion paper lists areas of competence for training including iter Ampcontrol submits that there should be specific competencies listed under the general headir those individuals tasked with using and maintaining critical electrical systems at an operating melectrical protection is a specialist area of electrical engineering. The maintenance and alterative electrical system changes over time is critical to the safe provision of electrical power. There is protection as applied to earth fault limitred networks is poorly understood across the industry. For presentation 2013 http://www.resourcesandenergy.nsw.gov.au/data/assets/pdf_file/0003/49 demonstrates a set of typical protection settings commonly found in undergound coal application higher than is reasonably practical. That is, first principle engineering calculations (rather than and established practice) can result in lower touch potentials under fault conditions. Moreover, used settings are not compliant with the latest revision of AS/NZS4871. In addition, the departr bulletins in regard to electrical protection (SB11-04, Joy safety bulletin in regard to a failed NEF electrical shocks from properly insulated cable fed from VSDs as examples) where the required maintain acceptable levels of protection goes well beyond traditional 50Hz studies, standard redesign 'rules of thumb'. Electrical protection as applied to surface mining networks is very difference and the surface mining networks is very difference and the surface mining networks are requirements further compound electrical protection complexity and applied terms.	ng of electrical engineering to ensure nine have the necessary expertise. on of protection settings as the mine anecodtal evidence that electrical Please refer to Ampcontrol EESS 2726/Tim-Wylie.pdf This presentation ons that result in residual risk much blindly following standards guidance the examples demonstrate commonly ment has circulated a number of safety R after an undetected DC fault, d protection analysis and knowledge to elays and conventional power system erent to underground mine networks,
3a. Are the types of formal and informal learning with their maximum claimable hours suitable?	
Response: The quantisation of hours into fragments as small as two hours is potentially proble is confronting quantifiable continuous professional development for the first time. Does a claim make that much of a difference to one's body of knowledge? Suggest increasing total number quantisation.	of one hour or two hours CPD literally
3b. Is the percentage split between the minimum number of formal hours (66%) against a maxi appropriate?	imum of 33% for informal hours
Response: The informal hours could be split into self-assessed, and peer reviewed, with greater former is where there is no independent check on what CPD has been undertaken ("I read a magnetic where the individual was engaged with peers in giving training, a technical presentation, leading standards development, and so on. These latter activities should be afforded the same weighting."	nagazine article"). The latter is ng group discussions, participation in
4. Are the numbers of learning hours for each practising certificate and areas of competence a per year b) over five years?	
a) per year - response CPD for key positions should be of the order of 100 hours per annum m between refreshing current knowledge, and new and emerging knowledge. Both of these areas (technologies, products, systems) and 'statutory' aspects (keeping up with dynamic legislation,	s should include technical aspects
b) over five years? - response Some of the training requirements offer no flexibility - 24 hours protected total of 120 hours are the same thing? It is typical that practitioners would have different emphasthe annual minimma should accommodate this. Maybe a minimum annual requirement of 10%	ases and activities year to year, and

5. Are the requirements for certificate holders in the MOC scheme reasonable and practical?	
Response:	
6a. Are the record keeping requirements for certificate holders to satisfy in the MOC scheme reasonable and practical?	
Response:	
6b. Are the governance processes proposed by the department adequate to ensure compliance with the MOC scheme by practising certificate holders?	
Response: Peer review should be an integral part of assessing CPD. Auditing by the department alone may not yield the gravitas of being judged by one's peers, who will bring broader perspectives, an appreciation of priorities and emphases, and a sound adjudication of what types are CPD are truly effective.	