

Petroleum & Gas Inspectorate: Meeting Minutes & Action Plan

Meeting Date	22 July 2014	Meeting Forum	Electrical Technical Working Group		
Start Time	9.10am	Finish Time	12pm	Meeting No.	1
Venue	DNRM Southern Region Offices (Landcentre)		Next Meeting	Monthly (third week of every Month – 22 nd August)	
	<p>Chair: Daryl Brooker (DarylB)</p> <p>Minutes: Grace Harmer (GH)</p> <p>Attendees:</p> <p>DNRM: Dan De Clara (DDC), Lionel Smith (LionelS), Electrical Safety Office: Jon Smith (JS), Graham Nyman (GN) Saxon Energy Services: Al Barrett (AB), Steve Smith (SM) Savanna Energy Services: Phillip Walton (PW), Dave Berry (DaveB) Ensign Australia: Dave Crosby (DC) Easternwell Energy: Luke Smith (LukeS), Mark Knopfler (MK) Australian Drilling Industry Association: Melissa Greenall (MG) Masters Electricians/ Electrical Contractors association: Mark Dearlove (MD), Anthony King (AK) Surepoint: Mark McCormack Weatherford: Shannon Gosselink (SG)</p>				
	Apologies: DNRM: Luke Forster (LF)				

Item	Issue/Topic	Discussion	Action	Date Due	Date Completed
1	Welcome/apologies	1.1 All welcomed and apologies noted.	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>
2	Purpose of the group – Introduction	2.1 A consultative group to approach the issues and to come to a common understanding across the group moving forward on the standards and legislation, what is relevant and what should be utilised across industry. 2.2 A proposal will be put to the CI with what the group suggests we do to rectify these issues across industry. 2.3 Not to be tied up into the ‘nitty gritty’ or the smaller details. The groups’ purpose is to focus on the issue – Standards and Practices that should be accepted in Industry.	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>

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3	Current state of play – What does the Legislation say?	<p>Daryl B - To a large extent unclear guidance - especially to electrical.</p> <p>Daryl B - The legislation gives and 'out'.</p> <p>Daryl B - Points to a code of practice for plant – refers to the Australian standards.</p> <p>Lionel S - Discussed the section of the Regulations that “all must do what is reasonably practical” – this will differ across each individual / company / operator.</p> <p>Philip W – It is up to the individual companies to work it out as to what is best practice for their company and apply what is reasonably practical.</p> <p>Daryl B – Unfortunately there is very little in the Regulations on drilling. The Inspectors establish the hierarchy the company went through to get to the 'lowest reasonably practical' outcome and to ensure they have gone through a process to establish there was no other practical option.</p> <p>Graham N - Section 6 of Act – if an operator - part 2 & 3 are excluded and part 4 is partially excluded. Regulations – don't apply where specifically excluded from the Act. During construction their Act also applies. Reporting of hazardous events applies. Part 6 is excluded. There is a point between construction and operating plant – where these exclusions change.</p> <p>Jon S - Electrical Safety Act Section 6 and Electrical Safety Regulations section 276 – outline all of the above. Section 18 also outlines what is and isn't electrical work – this can differ across countries and states within Australia.</p> <p>Dave B – has been told this is 'black and white' - each time the rig moves it is classed as a new installation and all electrical must be done by trained person. This creates significant cost to industry.</p>	n/a	n/a	n/a
4	Issues prompting the instigation of the working group – the Inspectorates view.	The difficulty in sorting through to understand/establish where the standards apply or which standards are being applied. And balancing the differences across Australia in differing alignments.	n/a	n/a	n/a
5	Issues from Industry – representatives view.	Dan Dc – Electrical issues on operating (rig/drilling) sites – see a lot of companies with no procedures, Companies who have procedure, but have great difficulty in	n/a	n/a	n/a


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		<p>applying them. Earthing is a big one.</p> <p>Dan Dc - Legislation 'out' – section 7 – so what is the way in? From an awareness point of view – have we as Industry looked at what is in place and is it practical? Has heard on sites that AS3000 <i>can't apply to a rig</i>. AS3000 Part 1 – DDC believes may be a way to apply the standard – highlighting – up for discussion.</p> <p>Lionel S - When he has been onsite the workers don't understand the company standards / procedures or the standards to follow. In the cross over in Regulations and jurisdictions there are exclusions which are taking away the mandatory standards in auditing to follow. AK – There are mandatory auditing processes that exist for electrical work – LionelS – they are excluded as they do not apply to Rig/Mines.</p> <p>Anthony K - Biggest problem is how to regulate the following of process / policy across companies / individuals. How do we make it reasonable for an employer to have something reasonable to ensure competency?</p> <p>Shannon G – There should be a mandatory 'awareness training' for all staff / anyone on site. CPRL Training – there should be other people trained in this not just the electrician – as logically they would be of higher risk to being electrocuted.</p> <p>Lionel S – Goal – ideally NO LIVE work to be completed – finding ways around this and teaching industry.</p> <p>Anthony K – Do we need a national standard or a state standard to comply to?</p> <p>Luke S - APA 505 – construction of the rig / 501 is specific to rigs. After that point it is down to due diligence and many variables.</p> <p>Lionel S - Zone management – lack of understanding in dangerous areas / understanding – ie batteries.</p> <p>Graham N – Competency checks are lacking across companies. Relying solely on blue cards or electrical licence holder – nil extra training or identifying the individuals competency and matching to their company standards.</p> <p>Anthony K – Finding the same issue – nil competency and nil harmony across industry in application of standards (lack of clarity in standards themselves – too</p>			

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		<p>many variables across states and industry) and following of follow up competency / procedures. Believes there should be a national standard set.</p> <p>Al B – Believes it may be good to focus on QLD first not National.</p> <p>Mark McCormack - perhaps introduction of mandatory log books that each individual needs to log they have worked on the piece of equipment – this then proves competency across working on multiple equipment / rigs – individuals should keep their own log books also.</p> <p>Group discussion - There is a lack of experience across the industry in Australia – brand new Industry and starting from the ground up. Need to recognise this and implement processes to support industry to develop and train their forces. Apprenticeships etc would be a great way to improve this – may be a cost to industry in the short term but in the longer term education and training is the key.</p> <p>Anthony K - There are currently no courses available at the moment – have developed an in house course to address some issues. Training courses can be formulated and developed to address what is needed using whatever standards / legislation / resources that may be required. There are two Drill Rig Associations. Perhaps - bring associations together to formulate a code of practice to then take to the regulators to work out how we apply?</p> <p>Philip W – Agrees to keep it localised to QLD initially.</p> <p>Mark McCormack How do we ensure or establish - gap analysis?</p> <p>Luke S - Do we agree to apply the AS300 now here today?</p> <p>Daryl B – Need to establish that a minimum is Australian standards – as if they aren't being followed – there must be a letter to the CI. And establish where these gaps are.</p> <p>Outline of issues – Hazardous Areas Licencing and resulting competencies – ongoing checking process Issues around design / constructions / commissioning / modifications – especially on rigs outside of Australia</p>			

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		<p>LIVE work issue</p> <p>Lack of understanding of standards and the application of</p> <p>Recommendations were made by DNRM – should be looked at online by all.</p>			
6	Discussion and agreement on action planning.	6.1 Action Plan to be completed.	<i>See completed Draft</i>		
7	Attachments	<p>7.1 Information on Electrical Technical Working Group – background and members / Meeting Agenda / Action Plan (blank)</p> <p> Electrical Technical Working...</p> <p>7.2 Extract from AS3000</p> <p>7.3 Hazardous area installation work requirements</p>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>
7	Next meeting and close	<p>Meeting close: 11.30am</p> <p>Next meeting proposed date: 28/08/2014</p>			

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SUMMARY: ACTION ITEMS

Meeting Item No	Meeting Date	Action – Brief Description	Responsible Person(s)	Action Due Date	Action Completed Date
1	22/07/2014	Draft information to Chief Inspector, Petroleum and Gas to inform him of the working group and its objectives.	<i>Daryl Brooker</i>	28/08/2014	
2	22/07/2014	Review existing competencies (electrical) that may be applicable to drilling and well servicing rig operations.	<i>Dan De Clara</i>	28/08/2014	
3.	22/07/2014	Develop working group to review standards (other than AS 3000) and identify those areas that AS 3000 is lacking. Map current standards used against AS 3000.	<i>Luke Smith</i>	28/08/2014	
4.	22/07/2014	Draft terms of reference for the working group.	<i>Philip Walton</i>	28/08/2014	