



22 OHSBoK LO: Hazard - Noise and vibration

	<i>What cognitive level?</i>	<i>What should the graduate be able to do?</i>	<i>In what context?</i>	<i>To what level?</i>
Operational activities that a <u>new graduate</u> generalist OHS professional would be expected to undertake related to the topic	5	22.1 <u>Develop</u> criteria for design of the workplace to minimise hazards related to noise and vibration	For a nominated situation or workplace. Within a small organization or section of a larger organization. With support/input by technical specialists.	In liaison with managers, supervisors, technical personnel and specialist advisors Taking account of relevant legislation and standards.
	5	22.2 <u>Develop</u> criteria for design or purchase of equipment to minimize noise and vibration	For a nominated situation or workplace. Within a small organization or section of a larger organization. With support/input by technical specialists as appropriate.	In liaison with managers, supervisors and technical personnel. Taking account of relevant legislation, codes of practice and standards.
	5	22.3 <u>Apply</u> knowledge of acoustics to <u>facilitate</u> development and implementation of control strategies to minimise exposure to noise and vibration	For a nominated situation or workplace. Within a small organization or section of a larger organization. With support/input by technical specialists.	In liaison with managers, supervisors, technical personnel and worker representatives. Taking account of relevant legislation and standards. With sign off by technical specialist where the risk is high.
Well developed/advanced cognitive and technical skills to analyse, critically evaluate and transform information to complete activities related to the topic	6	22.4 <u>Apply</u> knowledge of the measurement of noise, the effects of noise on the individual, and relevant legislation <u>identify</u> and <u>assess/evaluate</u> noise hazards.	For a nominated situation or workplace. For an actual/nominated scenario. Within a small organization or section of a larger organization. With support/input by technical specialist.	In consultation with appropriate workplace personnel. With sign off by a technical specialist where the risk may be high. Documented in a report to management.
	5	22.5 <u>Develop</u> processes to monitor and evaluate control strategies for noise.	For a nominated situation or workplace. For an actual/nominated scenario. Within a small organization or section of a larger organization.	Documented in a report to management.
Analyse and generate solutions to complex	3	22.6 <u>Identify</u> when specialist advice is required and define	For a nominated situation or workplace. Within a small organization or section of a	Documented in a report to management



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problems related to the topic		the scope of work to engage services of appropriate specialists.	larger organization.	
	5	22.7 Apply knowledge of acoustics, the effect of noise, the regulatory framework and standards, and the hierarchy of control as it relates to noise, develop a hazard management strategy for noise.	For a nominated situation or workplace. For an actual/nominated scenario. Within a small organization or section of a larger organization	The strategy is comprehensive and includes as a minimum: design of the work environment; 'buy quiet'; engineering approaches supported by administrative controls. Where PPE is part of the strategy an appropriate support framework is designated. The strategy is documented as a management system document With sign off by a technical specialist where the risk is high or the situation complex
	3	22.8 Engage with relevant personnel to implement the hazard management strategy for noise	For a nominated situation or workplace. For an actual/nominated scenario. Within a small organization or section of a larger organization.	Relevant personnel include managers, supervisors and worker representatives.
Transmit knowledge, skills and ideas to others	3	22.9 Interpret information to explain the cause of hearing loss and the personal impact, the level of risk, and rationale for control strategies	Information may include specialist reports.	Communication strategies and language are appropriate to the audience.
	2	22.10 Explain the workplace safety procedures relating to minimising noise exposure and, where required, the use of PPE	In induction and similar processes.	To staff and contractors. Communication strategies and language are appropriate to the audience.
Demonstrate the required underpinning science and/or psychology knowledge		Underpinning science: as it relates to physics of noise and vibration; the causation of hearing loss and the impact of vibration on anatomical structures The Human: As a biological system and the impact of noise on the various body systems		
Integration of knowledge from other chapters		Causation, Control, Risk as it applies to noise		