

Summary of changes to chapters as a result of review and updating

As at December 2021

This document has been prepared to provide educators and others with a quick reference as to the extent of change to chapter content as part of the 2019-2021 review of the OHS Body of Knowledge

In review Major review required In development Future planned

Concept	Chap No	First published	Current year	Sub concept	Author	Summary of changes
	1.1	2012	2019	Foreword and acknowledgements		
	1.2	2012	2020	Contents		Updated as new and updated chapters added
	1.3	2012	2019	Synopsis		
Introduction	2	2012	2019	Introduction	Pam Pryor	Minor updates to reflect developments and changed processes since 2012.
The OHS Professional	3	2012	2021	The Generalist OHS Professional: International and Australian perspectives	Pam Pryor, David Provan, Tristan Casey & Xiaowen Hu	A totally new chapter to replace that written in 2012
Global concepts						
Work	4			Work	Mark Griffin	
Safety	5	2019	2019	Safety	Sidney Dekker	A totally new chapter which presents a view of the <i>Safety</i> as a global concept in 2019.
Health	6	2012	2021	Health	David Beaumont	A totally new chapter which presents an holistic view of Health as a global concept integrating health and wellness.
Technical concepts						
Human (individual)	7	2012	2021	The human as a biological system	Kelly Johnstone Keith Adam Mike Capra	Chapter updated to reflect updated references to Safe Work Australia statistics, terminology used in the model WHS legislation (i.e., health monitoring instead of health surveillance), newer government resources, as well as additional

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					Joanne Crawford	scenarios and content related to current occupational health and hygiene issues and practice
	8.1			Basic psychological principles to be re-developed as People as individuals		
	8.2			Individual differences and work		
	8.3			Basic principles of social interaction to be re-developed as People in Organisations		
Socio-political context	9.1	2012	2019	Socio-political context for OHS in Australia	Elizabeth Bluff	Republished with substantial updating and title change to reflect developments in the regulatory and wider context for OHS since publication of the first edition.
	9.2	2014	2020	WHS law in Australia	Neil Foster, Barry Sherriff, Eric Windholz, Leo Ruschena	Re-published with minor changes and changes to title. Work Health and Safety (WHS) is used as the title of this chapter as it specifically refers to Australian WHS legislation.
The organisation	10.1		2020	The Organisation	Debra Burlington Michael Griffiths	New chapter to replace original chapter.
	10.2.1	2014	2019	Organisational culture : A search for meaning	David Borys	Originally written in 2014 and titled <i>Organisational Culture</i> this chapter is re-published as an introduction and companion to the 2019 chapter <i>Organisational Culture: Reviewed and Repositioned</i>
	10.2.2	2020	2020	Organisational culture: Reviewed and repositioned	David Borys	A companion chapter to <i>OHS BoK 10.2.1 Organisational Culture: A Search for Meaning</i> . Readers interested in the literature and research on organisational culture prior to 2014 may find it useful to read that chapter as background.
	10.3			Governance and OHS		
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Systems	12.1	2012		Systems	Paul Salmon, Gemma Read, Adam Hulme	
	12.2	2021	2021	OHS management systems	Nektarios Karanikas	New chapter
	12.3.1	2020	2020	Rules procedures and documentation	David Provan Drew Rae	New chapter.
	12.3.2		2020	Document usability	Klaus Hofer	New chapter.
	12.4			Contractors and CoR		
	12.5			OHS performance evaluation		
	12.6			Investigations	Geoff Dell Yvonne Toft Shevean Dell	
	13	2017	2019	Managing process safety	Trish Kerin	Re-published with updated references and process safety elements mapped to ISO 45001, Occupational Health and Safety.
Hazards and their mechanisms of action and related controls	14	2012	2019	Foundation science	Pam Pryor Michael Capra	Re-published with minor updates to describe the underpinning science-based knowledge to understand and control hazards.
	15	2012	2019	Hazard as a concept	Pam Pryor	Re-published with updated references, consideration of psychosocial hazards and revised implications for practice.
	16	2012	2021	Work-related musculoskeletal disorders	David Trembearth Joanne Crawford	New chapter to replace chapter Biomechanical hazards.
	17.1	2012		Chemical hazards		
	17.2			Chemical hazards – health impacts		
	17.3			Fibres, dusts and fumes	Linda Apthorpe, Shahnaz Bakand, Jennifer Hines, Belinda Margetts, Leanne Treadwell, Jane Whitelaw	

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	17.4	2017	2019	Process hazards (Chemical)	Trish Kerin	Chapter re-published with updated references.
	18	2012	2021	Biological hazards	Amanda Jones	Chapter extensively re-written to reflect new knowledge and OHS management practices related to biological hazards. It identifies a key role for the generalist OHS professional in ensuring a systematic approach to the management of biological hazards in the workplace.
	19	2012	2020	Psycho-social hazards	Kirsten Way	Chapter updated to address commonly used terms and definitions, prevalence rates, psychosocial hazards, occupational stress theories and models (including integrative models), and standards and guidelines. The role of the digital economy, work climates, work design and management is further elaborated.
	20	2012	2020	Fatigue	Jessica Paterson Sally Ferguson Drew Dawson	This chapter is re-published with updated references, a discussion of the physical and mental health impacts of fatigue, and a summary of future directions for fatigue research.
	21	2012	2020	Bullying and violence	Carlo Caponecchia Kirsten Way	The structure of the chapter has been revised to update literature, resources, guidance and perspectives.
	22.1	2012	2019	Occupational Noise	Beno Groothoff	The original chapter has been split into two chapters: 22.1 Occupational Noise and 22.2 Vibration. The changes incorporated into this chapter on occupational noise consist mainly of updating the Model Work Health and Safety legislation references to reflect latest editions of regulations and codes of practice and the inclusion of the guidance material on noise management as published by Safe Work Australia
	22.2	2019	2019	Vibration	Beno Groothoff	The original chapter has been split into two chapters: 22.1 Occupational Noise and 22.2 Vibration. The changes incorporated into this chapter on vibration consist mainly of updating the Model Work Health and Safety legislation references to reflect latest editions of regulations and codes of practice and the inclusion of the guidance material on vibration noise management as published by Safe Work Australia published by Safe Work Australia in October 2015.
	23.1	2012	2021	Electricity	Leo Ruschena	Major changes to reflect increasing recognition of the role of the generalist OHS professional in management of electrical safety hazards. Addition of an appendix on arc flash. Further changes in 2021 reflect changes in legislation.
	23.2	2019	2019	Electricity – Appendix Arc Flash	Brett Cleaves	New chapter.

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	24	2012		Ionising radiation	Martin Ralph	The chapter has been updated to reflect current international standards and to include some applied case studies.
	25	2012	2019	Non-ionising radiation	Leo Ruschena Martin Ralph	This second edition has minor updates to text and references.
	26	2012	2019	Thermal environment	Ross Dicolorleto	The chapter has been updated with current referencing and reflect recent research.
	27	2012	2019	Gravitational	Neil Adams	Key changes from the previous version have involved updating statistics and references to source materials including those for standards, codes of practice, and other guidance information. Some emphasis has been added to the need to ensure that environments that are not only designed and constructed to be safe, but are monitored/measured over time, and repaired/replaced as necessary due to deteriorating safety performance (eg. because of wear).
	28	2012	2020	Mechanical plant	Roger Lim Tony Payne	Chapter updated to reflect changes in legislation and the impact of technology on hazards and risk associated with mechanical plant.
	29	2012		Mobile plant		
	30	2012		Vehicles and occupational road use	Rwth Stuckey	Chapter revised to include up-to-date injury, fatality and other relevant data and reflect changes in legislation and practice.
Risk	31.1	2012	20	Risk	Jean Cross	Chapter updated to reflect changes resulting from a new ISO standard and to include other recent references.
	31.2	2015	2019	OHS Risk and decision-making	Carmel Bofinger, Jan Hayes, Chris Bearman, Derek Viner	Chapter re-published with updated references.
Causation	32	2012		Models of occurrence causation (safety)		
	33	2012		Models of causation (health determinants)		

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Control	34.1	2012	2019	Control: Prevention and intervention	Leo Ruschena	Initially updated in 2017 with changes including updating of legislation references and inclusion of a discussion of critical controls with further update in 2019.
	34.2	2014	2019	Introduction to user-centred safe design	Tim Horberry, Robin Burgess-Limerick, Neil Storey, Matthew Thomas, Leo Ruschena, Margaret Cook, Chad Pettitt	Minor revision to title, extra introductory material and updated references throughout
	34.3	2019	2019	Health and safety in design	AIHS	New chapter
	34.4			Design of work	Lisette Kanse Laura Fruhen	
	35	2012	2019	Mitigation of Health impacts	AIHS	Major review resulting in a new chapter.
	36	2012	2019	Emergency management	Andrew Stanbury	Comprising major review to align with national and international standards, and to incorporate lessons learned from major emergency events around the world.
Practice						
	37.1			Theory to practice		
	37.2	2012	2019	A problem solving model of OHS practice	Pam Pryor Susanne Tepe	Revised and updated in 2019 to reflect experience in applying the model as well as developments in the profession.
	37.3			OHS professional practice for the 2020s		
	37.4	2020	2020	Workers working from home	Pam Pryor David Provan	New chapter
Professional attributes	38.1			Working in organisations		

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	38.2			Organisational learning and leading change		
	38.3	2019	2019	Professional practice and ethics	AIHS	New chapter
Practice skills	39.1	2012		The OHS Professional as critical consumer of research	Drew Rae	
	39.2			The OHS Professional as a workplace researcher		