

**SKILLS FRAMEWORK FOR ENVIRONMENTAL SERVICES
TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE DOCUMENT**

TSC Category	Pest Management Operations					
TSC	Pest Behavioural Management					
TSC Description	Employ pest-proofing methods and behavioural control measures to prevent pest infestations and intrusions for the purpose of protecting valued resources, premises and the environment					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
		EVS-PMO-2001-1.1	EVS-PMO-3001-1.1	EVS-PMO-4001-1.1		
		Apply pest-proofing methods and behaviour control measures to prevent pest infestations and intrusions	Supervise application of effective control measures and recommend the mode of action for deterrence in accordance with service and regulatory standards	Manage procedures to ensure the efficacy of pest-proofing practices and safety of potentially useful chemicals against pests		
Knowledge		<ul style="list-style-type: none"> • Pest-proofing methods and techniques • Principles of pest behaviour • Basic pest behavioural observations • Potential breeding and harbourage sites • Types of chemicals, attractants, deterrents and repellents against pests • Tools and equipment for application of pest-proofing methods and chemicals • Personal protective equipment (PPE) required for chemical application • Relevant workplace safety and health (WSH) guidelines • Control of vectors and pesticides act and legislative requirements 	<ul style="list-style-type: none"> • Proactive pest control measures and interventions • Pest behaviours and behavioural changes • Potential breeding and harbourage sites • Types of chemicals, attractants, deterrents and repellents against pests • Pest behavioural resistance/avoidance • Effective control agents for pest species • Service reports on pest situation and service advice • Tools and equipment for application of pest-proofing methods and chemicals • Personal protective equipment (PPE) required for chemical application • Relevant workplace safety and health (WSH) guidelines 	<ul style="list-style-type: none"> • Pest-proofing management operations • Development and deployment of control systems • Behavioural control measures • Pest behaviours and behavioural changes • Key factors in pest behavioural resistance and/or avoidance development • Different resistance mechanisms • Evolution of toxicology resistance • Major issues in pest behavioural and resistance management • Advantages and disadvantages of different behavioural manipulation methods • Pest management technologies and smart devices for pest management • Effects of chemicals on the environment 		

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			<ul style="list-style-type: none"> Control of vectors and pesticides act and legislative requirements 			
Abilities		<ul style="list-style-type: none"> Detect the presence of pest species using appropriate tools, devices and equipment Deploy traps, baits or other elimination devices to control pests Seal potential entry points to prevent pest infestations and intrusions Remove and dispose unused articles, refuse and waste Prepare formulations of chemicals and/or non-chemicals for work site application Disrupt pest behaviours by applying chemical and/or non-chemical based methods to the affected work site Utilise and operate tools, devices and equipment in accordance with safety requirements Clean and store tools, devices and equipment after use Adhere to relevant WSH guidelines 	<ul style="list-style-type: none"> Oversee pest-proofing operations and ensure all shelter, food and water supply sources for pests are eliminated Ensure proper chemical and/or non-chemical formulations and devices are used to control pests Monitor pest seasonal activities and report to manager for follow-up actions and decision support Evaluate the effectiveness of chemicals and/or non-chemicals to control pests Assess levels of pest behavioural resistance Employ biological control methods such as natural predators or parasites to keep errant pests in check Follow up on findings and corrective actions stated in pest control service reports Check devices and equipment for operational efficiency Ensure adherence to relevant WSH guidelines 	<ul style="list-style-type: none"> Implement pest management strategies aimed at minimising the impact and necessity of chemical and pesticide applications Employ safer and more effective control measures and technologies Analyse the effectiveness of repeated or multiple simultaneous control strategies Mitigate pest behavioural resistance to chemical and/or non-chemical behaviour-modifying stimuli Conduct research on viable pest management and behaviour-modifying methods or strategies 		