

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

TSC Category	Media Technology and Operations					
TSC Title	Broadcast Infrastructure Installation					
TSC Description	Plan and execute the installation of broadcast systems, equipment and other infrastructure to meet the organisation's current and future requirements					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
	MED-MPN-1012-1.1	MED-MPN-2012-1.1	MED-MPN-3012-1.1	MED-MPN-4012-1.1	MED-MPN-5012-1.1	
	Support the installation of broadcast systems and infrastructure	Execute the installation of broadcast systems and infrastructure to meet broadcast requirements	Lead the installation of broadcast systems and infrastructure to meet broadcast requirements	Manage broadcast infrastructure projects to enhance broadcasting capabilities of the organisation	Drive broadcast infrastructure projects to enhance the organisation's broadcasting capabilities to meet current and future requirements	
Knowledge	<ul style="list-style-type: none"> Fundamentals of operating broadcast systems Installation procedures and techniques for broadcast systems and equipment Procedures for performing cabling and configuration of broadcast systems and equipment Tools required for installation of broadcast systems and equipment Testing parameters for broadcast systems and equipment 	<ul style="list-style-type: none"> Functionalities and operations of broadcast systems and equipment Technical design and equipment specifications Installation procedures and techniques for broadcast systems and equipment Tools required for installation of broadcast systems and equipment Testing parameters for broadcast systems and equipment Documentation required for installation, testing and configuration of broadcast systems Workplace safety and health guidelines to be followed when working with broadcast equipment, software and systems 	<ul style="list-style-type: none"> Functionalities and operations of broadcast systems and equipment Terminologies associated with broadcast processes Objectives of broadcast infrastructure projects Technical design interpretation, modification and refinement Existing in-house broadcast infrastructure Installation procedure and techniques for broadcast systems and equipment Configuration of broadcast systems Testing methods, techniques and parameters for broadcast systems Steps involved in commissioning processes Workplace safety and health guidelines to be 	<ul style="list-style-type: none"> End-to-end processes involved in broadcast operations Requirements of end-user departments of broadcast systems Commissioning methods and procedures Project management methods and techniques Best practices in broadcast infrastructure installation and commissioning Regulatory requirements pertaining to broadcast systems and equipment Best practices in workplace safety and health in broadcast operations 	<ul style="list-style-type: none"> End-to-end processes involved in broadcast operations Capabilities and limitations of existing in-house infrastructure Best practices in broadcast infrastructure installation and commissioning Potential challenges in installation and commissioning of specific systems Best practices in workplace safety and health in broadcast operations 	

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			followed when working with broadcast equipment, software and systems			
Abilities	<ul style="list-style-type: none"> Coordinate procurement of logistics of broadcast systems and equipment with vendors Coordinate the construction of structures to support the installation of broadcast systems Assist in the connection, cabling and configuration of broadcast systems after installation Assist in the functional testing of broadcast systems by modifying test parameters and recording functional characteristics Follow instructions on workplace safety and health guidelines during the installation of broadcast infrastructure 	<ul style="list-style-type: none"> Interpret technical designs to understand the installation and setup requirements for broadcast systems and infrastructure Liaise with vendors for the construction and/or installation of broadcast equipment and infrastructure Conduct cabling, connections, configuration and technical setup of broadcast systems Execute installation of networking systems Administer functional testing of broadcast systems as part of the commissioning process Record commissioning results in appropriate information systems Practice workplace safety and health guidelines during the installation of broadcast infrastructure 	<ul style="list-style-type: none"> Analyse technical designs and other project documents to understand scope of broadcast infrastructure projects Oversee the installation of broadcast systems by providing design and technical input Manage complex set-ups, connections and configuration for the installation of broadcast systems and equipment Integrate broadcast and organisation's IT systems to prepare systems for broadcast Oversee testing of the broadcast systems and equipment to its maximum capacity as per commissioning guidelines Guide others on complex testing to ensure the full functionality of installed systems Prepare commissioning report to record and present commissioning results Present commissioning to recommend acceptance of transfer of control from external vendors if required Implement workplace safety and health 	<ul style="list-style-type: none"> Define project objectives and timelines for the installation and commissioning of broadcast systems and infrastructure Allocate project roles and responsibilities to team members Determine the commissioning procedures and methods to be adopted for broadcast systems Establish commissioning guidelines and parameters to be adopted to ensure satisfactory performance of broadcast systems and equipment Liaise with vendors to review status of installations Assess the results of commissioning and check that outputs of broadcast systems meet requirements Liaise with end-user departments to seek approval and sign-off on commissioning results Confirm that broadcast systems meet specifications and comply with all relevant 	<ul style="list-style-type: none"> Strategise the project objectives, budgets and timelines for the installation and commissioning of broadcast systems and equipment Monitor periodic progress of broadcast infrastructure projects through progress reports Evaluate timeline or budget overruns based on sound rationale Review commissioning reports to ensure compliance with defined parameters Approve the commissioning and transfer of control based on satisfactory commissioning performance Establish workplace safety and health guidelines to be followed across the broadcast infrastructure installation processes 	

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			<p>guidelines in the installation of broadcast infrastructure</p>	<p>regulations and guidelines</p> <ul style="list-style-type: none"> • Accept transfer of control from vendors based on satisfactory commissioning • Drive adherence to workplace safety and health guidelines across the broadcast infrastructure installation processes 		
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