

<b>Job Demand Analysis</b>	
Placement/Job Title:	Venue Technician
Division/Branch:	Community and Recreation / Dubbo Regional Theatre and Convention Centre
Date of Assessment:	24 October 2012
Assessment completed by:	Azaria McGillivray Occupational Therapist The Procure Group
Standard Hours:	76 hour fortnight. There is no set schedule to hours and days as this is dependent on "show scheduling."
Variable Hours:	<input type="checkbox"/> Overtime <input type="checkbox"/> On Call <input type="checkbox"/> Call Outs
Breaks / Rest Periods:	1 hour break

#### **Environmental/Psychosocial Factors**

The Venue Technician is based at the Dubbo Regional Theatre and:

- Approximately 100% of work tasks are performed in the theatre.
- Is responsible for the pre-show set up of the theatre
- Is responsible for the post-show pull down of the theatre
- Is responsible for the maintenance of lighting, audio and materials within the theatre.
- Is accountable for the unloading of show items (lighting, props, and scenery) from delivery vehicle.
- Works indoors.
- Works in a team environment.
- May be required to work at a very fast pace to meet timeframes.
- May be required to work long hours to ensure appropriate and safe theatre set up and pull down.
- May be required to work while the show is performing.
- May be required to work during the night.

#### **Job Descriptions**

This position is responsible for all matters pertaining to the pre-show preparations and post show pack up of the theatre and general maintenance.

Please see corresponding position description for further information.

<b>Physical Demands</b>	<b>Rarely 1-5%</b>	<b>Occasional 6-33%</b>	<b>Frequent 34-66%</b>	<b>Continuous 67-100%</b>	<b>Comments</b>
Standing				<b>X</b>	Constant standing is required for the duration of working shift.
Walking				<b>X</b>	Walking is continuously required to maintain and prepare the theatre.
Sitting		<b>X</b>			Sitting is required to test the lighting and audio system of the theatre. Sustained sitting is required over an extended period of time.
Climbing ladders, stairs or scaffolding			<b>X</b>		A Venue Technician is required to constantly climb stairs to access the galleries, sound desk, lighting desk, lighting bridges and stage.
Bending / Stooping		<b>X</b>			Bending and stooping is required to reach awkward areas. Bending and stooping is required on a repetitive basis and is associated with lifting 12kg weights onto the flying system. Repetitive bending and stooping is also required for the unloading and loading of show props.
Squatting / Crouching		<b>X</b>			Squatting and Crouching is required to reach awkward locations and to perform tasks at ground level. Squatting and crouching can be performed in a sustained static position over an extended period of time and can also be required on a repetitive basis. Squatting and crouching is required to unload and load show props.
Kneeling		<b>X</b>			Sustained kneeling is required to adjust lighting on the lighting bridges and to remove railing from the pit.
Reaching overhead		<b>X</b>			Overhead reaching can be performed in a standing, crouched or kneeling position. Overhead reaching is required to be sustained and is associated with dextrous fine motor manipulation. For example, adjusting the lighting on the stage beams. Overhead reaching is also required to be performed repetitively. For example, manoeuvring the flying system.
Reaching at waist level or below.			<b>X</b>		Forward reaching is required when performing computer based tasks, operating the flying system and control the audio and lighting desk. Sustained forward reaching is required over an extended timeframe.
Crawling					NA

Physical Demands	Rarely 1-5%	Occasional 6-33%	Frequent 34-66%	Continuous 67-100%	Comments
Trunk Rotation			X		Whole trunk rotation is required when operating the flying system and ensuring visual indication of curtains, masking and props. Whole trunk rotation is associated with the adoption of awkward postures when lifting cumbersome and heavy theatre props and equipment. Trunk rotation is required to be sustained for a prolonged period and can also be performed repetitively.
Repetitive Forearm, hand and finger movement				X	Gross motor movements of the upper limbs are required to lift, carry and assemble theatre props. Bilateral gross motor movement is also required to operate the flying system in a vertical push and pull motion and assemble theatre props.
Manual dexterity and handling				X	This involves the fine motor manipulation to operate the lighting and audio system, adjust the lighting and use tools such as a drill, ratchet and spanner. Also used to assemble theatre props.

Manual Handling			
	Weight:	Frequency:	Comments:
Lifting	=/<25kg	Occasionally	Lifting of various items equal to and below 25kg occurs occasionally. The frequency of the lifting demand increases during the pre and post show theatre preparations. Lifting usually occurs between ground to waist level. Lifting is usually performed in awkward postures which the Venue Technician is likely to adopt for a sustained period.
	>25kg	Rare	Lifting of various theatre props and equipment greater than 25kg occurs rarely. The frequency of this physical demands increases during the pre and post preparation of a show. Lifting usually occurs between ground and waist level and awkward postures adopted and sustained for prolonged periods.
Carrying	=/<25kg	Occasionally	Carrying of assorted theatre props and equipment is required occasionally. The frequency of this physical requirement increases during the pre and post show theatre preparations. Items of this weight are usually carried by one person over an approximate distance of 100m. This task is performed with the adoption of awkward postures. Carrying is likely to be sustained over a prolonged period and performed repetitively. Climbing stairs is associated with climbing. Assistive devices of dollies and trolleys can be used to reduce the load associated with carrying.
	>25kg	Rare	Carrying of various items above 25kg occurs rarely. The frequency of this physical requirement increases during the pre and post show theatre preparations and is unlikely to be required during “down

			time.” Awkward postures are adopted when carrying larger theatre props and equipment over an approximate distance of 100m maximum. Carrying may be required up and down stairs. 2-4 person carry is usually performed. Trolleys, dollies and elevators are used to reduce the load of carrying.
Pushing and pulling	=/<25kg	Occasionally	Horizontal pushing and pulling is required when loading and unloading theatre props. For example, using a trolley or dolly to transport theatre props from back stage to the stage. Horizontal pushing and pulling is also required perform general cleaning tasks such as vacuuming and sweeping. Vertical pushing and pulling is required to manipulate tools. For example, ratchet and spanner.
	>25kg	Rare	Vertical pulling and pushing of the fly system to lower and raise the curtain is required. Heavy exertive force of 300kg is required to perform this task.
The role of the Venue Technician predominantly meets the requirements of the Medium physical demands category.			

Tools Used		
Tool:	Weight:	Comments:
A variety of hand tools may be used on occasion:		These are operated using the hands. They usually weigh less than 2kg and may involve repetitive upper extremity movements.
Spanner	Usually less than 2kg	
Screwdriver		
Ratchet		
Other items / tools available in the workplace:		These are used to assist with manual handling tasks.
Scissor Lift	N/A	
Dollie	N/A	
Trolley	N/A	

Balance		
	Exposure to:	Comments:
Level ground	Yes	Venue Technician is required to work indoors.
Uneven ground	No	Venue Technician works indoors and is not exposed to uneven ground.
Unprotected heights or high levels	Yes	Venue Technician is required to work from galleries, lighting bridges and scissor lift.

Environmental Conditions		
	Exposure to:	Comments:
Inside work	Yes	When working in the theatre.
Outside work	No	NA.
Night Work	Yes	Frequently for performance and post show preparations.
Extreme heat	No	Venue Technician works indoors.
Extreme cold	No	
Humid or wet	No	
Noise	No	NA
Vibration	No	NA
Mechanical hazards	Yes	Exposure to moving parts and heavy parts.
Electrical hazards	Yes	When attending to lighting and audio preparations.
Risk of burns	Yes	Rope burn, hot lamps.

<b>Environmental Conditions</b>		
	<b>Exposure to:</b>	<b>Comments:</b>
Radiant energy	No	NA
Poor ventilation	Yes	Exposure to poor ventilation occurs occasionally.
Moving objects	Yes	Encounters moving parts on a regular basis including the fly system beams.
Sharp tools	Yes	Cutting and drilling tools.
Cluttered or slippery floors	Yes	May be encountered in the theatre.
Elevated surfaces	Yes	When working on the scissor-lift, galleries and lighting bridges.
Lighting	Yes	May need to work in the dark (ie, lighting bridges). Works with theatre lights and lanterns.
Exposure to fumes/odours/ dusts/mists/ gases	No	NA
Exposure to biological hazards	No	NA

<b>Sensory/Communication</b>		
	<b>Required:</b>	<b>Comments:</b>
Vision	Yes	Vision is required when preparing the lighting for a show.
Hearing	Yes	Hearing is required to determine the specific requirements of the audio system.
Speech	Yes	General liaison with colleagues and Venue manager.
Reading	Yes	Reading the lighting and audio requirements and show plans is necessary.
Writing	Yes	Used for lighting and audio requirements.
Numerical ability	Yes	Used for lighting and audio requirements.

This Job Demand Analysis has been assessed and approved by the relevant Supervisor and corresponding Manager within Dubbo Regional Council. This Job Demand Analysis will be implemented on 8 April 2013.