



CHART OF COMPETENCIES

ENTERTAINMENT RIGGERS

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You should find everything you do somewhere on the Competency Chart, but you will not necessarily do everything identified on the Chart.



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ENTERTAINMENT RIGGERS

Chart of Competencies

Entertainment Riggers work in various fields (performing arts, live performances, cinema and special events), organizational environments (small, medium and large organizations), contexts and working conditions (i.e. in interior and exterior as well as in permanent and temporary settings). The scope of this analysis has therefore been defined to take into account and to reflect these differences and variations.

The primary tasks of entertainment riggers are “to install rigging equipment that will be used to attach or fasten the stage and acrobatic equipment required by the show; the rigger is also responsible for installing and operating safety devices for people working at height, such as performers, technicians, properties people, etc.; (...) in circus work, riggers are also in charge of installing acrobatic apparatus.”⁽¹⁾

The Competency Profile is to be used in conjunction with the Chart of Competencies for Entertainment Riggers.

The Competency Chart and Profile can be used by individuals to evaluate their own skills and to determine areas where they should pursue additional training. On a corporate level, this material can be applied in developing competency-based professional development programs, negotiating and customizing training programs, developing / reviewing career planning programs, recruitment profiles and individual position descriptions.

⁽¹⁾ Montreal School Board. *Rigger. Work Status Analysis Report. February 2004. P.1*



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An Entertainment R

PROFESSIONAL COMPETENCIES

A. Plan the Rigging Work

- 1. Analyse plans, technical drawings and blueprints
- 2. Assess feasibility of task
- 3. Determine loads and forces
- 4. Identify rigging requirements
- 5. Identify access requirements
- 6. Generate a rigging plot
- 7. Identify health and safety requirements
- 8. Determine required equipment
- 9. Estimate resources, time and costs
- 10. Identify organisational structure and chain of command
- 11. Identify and report problems

B. Prepare Rigging Equipment and Systems

- 1. Load / unload equipment
- 2. Perform layout
- 3. Fabricate components
- 4. Assign tasks
- 5. Inspect equipment
- 6. Assemble rigging components

C. Install Rigging Components

- 1. Inspect safety equipment
- 2. Install fall protection equipment
- 3. Access work station
- 4. Check and install anchors
- 5. Raise rigging equipment
- 6. Attach and secure rigging equipment
- 7. Inspect and verify installation
- 8. Perform / run tests
- 9. Make required adjustments
- 10. Install scaffolds
- 11. Install temporary grids / catwalks
- 12. Install / operate motorized systems
- 13. Install / operate counter-weight systems

D. Install Production Elements

- 1. Assemble, adjust and check structure supporting production elements
- 2. Attach production elements
- 3. Fly production elements
- 4. Set / mark trims
- 5. Stabilise production elements

E. Install and Operate Performance / Performer Apparatus

- 1. Install and check performer safety devices
- 2. Attach performer apparatus
- 3. Position and level performer aerial apparatus
- 4. Test apparatus

Rigger must be able to...

- 5. Collaborate with other departments to meet the needs of production
- 6. Mark settings for operation (spike marks)
- 7. Perform final inspection and secure / lock out all rigging components
- 8. Operate performer apparatus during rehearsals and performance

F. Inspect and Maintain Rigging Equipment and Systems

- 1. Determine and follow inspection schedule
- 2. Determine inspection / maintenance requirements
- 3. Ensure compliance of rigging equipment and systems with set load capacities
- 4. Access components
- 5. Perform sensory inspection
- 6. Perform operational inspection
- 7. Replace / repair parts
- 8. Readjust components
- 9. Document inspection and maintenance

G. Strike Rigging Equipment and Systems

- 1. Plan / organise strike
- 2. Remove production elements
- 3. Remove rigging equipment
- 4. Remove safety equipment
- 5. Store rigging / safety equipment

H. Utilize Rigging Material, Equipment, Instruments and Tools

- 1. Utilise wire rope
- 2. Utilise rope and cordage
- 3. Utilise chains
- 4. Utilise hoisting devices
- 5. Utilise tensioning devices
- 6. Utilise pulleys / blocks
- 7. Utilise anchors / fasteners
- 8. Utilise connecting hardware
- 9. Utilise slings
- 10. Utilise pneumatic tools
- 11. Utilise electric tools
- 12. Utilise hand tools
- 13. Utilise load measuring devices
- 14. Utilise measuring tools
- 15. Utilise anemometers
- 16. Utilise lasers
- 17. Utilise electrical testing equipment
- 18. Utilise safety equipment
- 19. Utilise rigging tools
- 20. Utilise elevated work platform
- 21. Utilise cargo handling machinery and equipment
- 22. Utilise hydraulic tools
- 23. Utilise communication devices

I. Comply with Pertinent Regulations, Standards and Best Practices

- 1. Ensure safe work environment
- 2. Execute emergency procedures
- 3. Comply with fire code
- 4. Comply with electrical code
- 5. Comply with WHIMS
- 6. Comply with compressed gas regulations and best practices
- 7. Comply with health and safety regulations and best practices
- 8. Comply with employment standards and contracts
- 9. Comply with HR policies
- 10. Comply with regulations relative to overhead lifting
- 11. Comply with manufacturers specifications/instructions
- 12. Comply with fall protection regulations

GENERAL COMPETENCIES:

J. Demonstrate Communication and Interpersonal Skills

- 1. Demonstrate teamwork skills
- 2. Communicate verbally in a clear and concise manner
- 3. Utilise industry terminology
- 4. Adapt language to recipient
- 5. Practice active listening
- 6. Display tact and diplomacy
- 7. Demonstrate sensitivity to other people's needs
- 8. Exercise patience and tolerance
- 9. Use computers and e-communication tools
- 10. Use hand signals
- 11. Communicate graphically

K. Demonstrate Personal Skills

- 1. Demonstrate thoroughness and attention to details
- 2. Work methodically
- 3. Demonstrate analytical skills
- 4. Adapt to changes
- 5. Handle urgent situations with calm
- 6. Work under pressure
- 7. Meet deadlines
- 8. Demonstrate planning and organisational skills
- 9. Update one's skills
- 10. Make decisions
- 11. Anticipate situations
- 12. See the "big picture"
- 13. Demonstrate a sense of responsibility
- 14. Recognise limits of abilities and competencies
- 15. Follow instructions
- 16. Work efficiently
- 17. Maintain focus
- 18. Demonstrate health and safety awareness
- 19. Demonstrate problem solving skills
- 20. Demonstrate hand-eye coordination
- 21. Work at heights
- 22. Work in confined areas
- 23. Demonstrate mechanical aptitude