

CHART OF COMPETENCIES

ENTERTAINMENT RIGGERS (with proficiency levels)

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

Job Classification: Entry-Level Intermediate Advanced

Rating Scale

| | |
|---|---|
| 4 | Must be able to perform this skill satisfactorily with adaptability to special problem situations and be able to lead others in performing it |
| 3 | Must be able to perform this skill satisfactorily without assistance and/or supervision |
| 2 | Must be able to perform this skill satisfactorily although he/she will require periodic assistance and/or supervision |
| 1 | Must be able to perform some parts of this skill satisfactorily but will require assistance and/or supervision to perform the entire skill |

An Entertainment R

PROFESSIONAL COMPETENCIES

A. Plan the Rigging Work

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

B. Prepare Rigging Equipment and Systems

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

C. Install Rigging Equipment

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

D. Install Production Elements

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

E. Install and Operate Performance/ Performer Apparatus

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



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Rigger must be able to...

- 3 4 5. Collaborate with other departments to meet the needs of production
- 1 2 3 4 6. Mark settings for operation (spike marks)
- 1 3 4 7. Perform final inspection and secure lock out all rigging components
- 3 4 8. Operate performer apparatus during rehearsals and performance

F. Inspect and Maintain Rigging Equipment and Systems

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

G. Strike Rigging Equipment and Systems

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

H. Utilize Rigging Material, Equipment, Instruments and Tools

- 2 3 3 1. Utilise wire rope
- 2 3 3 2. Utilise rope and cordage
- 2 3 3 3. Utilise chains
- 1 3 3 4. Utilise hoisting devices
- 1 3 3 5. Utilise tensioning devices
- 1 3 3 6. Utilise pulleys/blocks
- 2 3 3 7. Utilise anchors/fasteners
- 2 3 3 8. Utilise connecting hardware
- 2 3 3 9. Utilise slings
- 2 3 3 10. Utilise pneumatic tools
- 2 3 3 11. Utilise electric tools
- 3 3 3 12. Utilise hand tools
- 1 3 3 13. Utilise load measuring devices
- 3 3 3 14. Utilise measuring tools
- 1 2 3 15. Utilise anemometers
- 2 3 3 16. Utilise laser tools
- 2 3 3 17. Utilise electrical testing equipment
- 3 3 3 18. Utilise safety equipment
- 1 2 3 19. Utilise specialised rigging tools
- 3 3 3 20. Utilise elevating work platform
- 3 3 3 21. Utilise cargo handling machinery and equipment
- 2 3 4 22. Utilise rope access equipment/system
- 2 3 3 23. Utilise communication devices
- 2 3 3 24. Utilise scaffolds
- 3 3 3 25. Utilise ladders
- 3 3 3 26. Utilise swing stage/work platforms

I. Comply with Pertinent Laws, Regulations, Standards and Best Practices

- 3 3 3 1. Ensure safe work environment
- 3 3 3 2. Execute emergency procedures
- 3 3 3 3. Comply with fire code
- 3 3 3 4. Comply with electrical code
- 3 3 3 5. Comply with WHMIS
- 3 3 3 6. Comply with compressed gas regulations
- 3 3 3 7. Comply with occupational health and safety laws and regulations
- 3 3 3 8. Comply with employment standards and contracts
- 3 3 3 9. Comply with HR policies
- 3 3 3 10. Comply with regulations relative to overhead lifting
- 3 3 3 11. Comply with manufacturers specifications
- 3 3 3 12. Comply with fall protection regulations
- 3 3 3 13. Follow industry best practices

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