



CHART OF COMPETENCIES

**GENERAL STAGE
TECHNICIANS
(STAGE HANDS)**

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There is a significant diversity of live productions, and the potential for a wide range of occupational titles, for those performing the tasks of a stage technician. The term 'stage technician' also represents a job category, therefore including a certain number of specialties : for instance, lighting and sound technicians both belong to this job category.

This analysis strictly focuses on the position of **general stage technician**. General stage technicians are also commonly referred to as "stage hands". They work in theatre, dance, opera, circus, film/television, and musical concerts. Their primary tasks are to load in, set up, run, strike and load out the production elements for live entertainment productions. They learn most of their skills on-the-job.

This document presents the outcomes of an occupational analysis for **GENERAL STAGE TECHNICIANS**. It identifies the combined competencies that make up the work of General Stage Technicians.

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The Cultural Human Resources Council (www.culturalhrc.ca) is a national organization dedicated to strengthening Canada's cultural workforce and improving the HR environment within the cultural sector. It strives to be at the centre of vision and forward thinking in the area of cultural human resources development. CHRC members include self-employed artists, cultural workers and arts organizations from the many disciplines which comprise the sector.

This **Chart of Competencies** is to be used in conjunction with the **Competency Profile for GENERAL STAGE TECHNICIANS**.

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 defining job profiles, developing competency-based professional development programs, negotiating and customizing training programs, developing career planning programs, recruitment profiles and individual position descriptions.

GENERAL STAGE TECHNICIANS – Competency Chart

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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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Canada

A General Stage Technician

PROFESSIONAL COMPETENCIES :

A. LOAD IN / LOAD OUT PRODUCTION ELEMENTS

- 1. Direct truck docking
- 2. Load/unload trucks

B. ASSEMBLE / DISASSEMBLE PRODUCTION ELEMENTS

- 1. Interpret technical drawings and documents
- 2. Set up and strike scaffolding
- 3. Coil and run cables, wires and ropes
- 4. Distribute power
- 5. Perform visual inspection
- 6. Dress and mask production elements

C. ASSEMBLE / DISASSEMBLE STAGE CARPENTRY ELEMENTS

- 1. Set up and strike rigging elements
- 2. Set up and strike soft goods and masking
- 3. Set up and strike flown elements
- 4. Set up and strike stairs, ramps, balconies and platforms
- 5. Set up and strike automation systems
- 6. Set up and strike floors, decks and traps
- 7. Set up and strike flattage (walls)
- 8. Set up and strike set pieces

D. ASSEMBLE / DISASSEMBLE LIGHTING ELEMENTS

- 1. Lay out lighting position
- 2. Set up and strike dimming and control
- 3. Assemble lighting truss (booms, etc.)
- 4. Hang, position and strike fixtures and accessories
- 5. Plug in fixtures (and accessories)
- 6. Test circuits and troubleshoot
- 7. Focus conventional fixtures
- 8. Set up and strike follow spots

E. ASSEMBLE / DISASSEMBLE AUDIO, VISUAL AND SOUND ELEMENTS

- 1. Set up and strike speakers
- 2. Set up and strike consoles
- 3. Set up and strike racks
- 4. Set up and strike microphones, stands, musical equipment
- 5. Set up and strike peripherals
- 6. Set up and strike inter communication systems
- 7. Set up and strike projectors
- 8. Assemble screens
- 9. Set up and strike video equipment
- 10. Test systems and troubleshoot

F. ASSEMBLE / DISASSEMBLE PROPS ELEMENTS

- 1. Position and organize props
- 2. Set up and strike wardrobe and performers requirements
- 3. Lay floor coverings
- 4. Set up and strike furniture, hand props and decor
- 5. Secure weapons
- 6. Prepare food and beverages
- 7. Set up and strike orchestra physical elements

Technician must be able to...

- 8. Set up and strike musical instruments / band gear
- 9. Ensure clean and safe work environment

G. ASSEMBLE / DISASSEMBLE SPECIAL EFFECTS

- 1. Set up and strike atmospheric special effects (smoke, fog and haze)
- 2. Set up and strike mechanical special effects
- 3. Set up and strike live sound special effects
- 4. Set up and strike pyrotechnic special effects
- 5. Set up and strike fire and flame special effects

H. EXECUTE REHEARSALS AND PERFORMANCES

- 1. Identify chain of command
- 2. Identify required tools, equipment and techniques
- 3. Record notes for cue sheets and techniques
- 4. Set / identify spike marks
- 5. Execute pre-show protocol
- 6. Execute cues
- 7. Make adjustments / modifications
- 8. Perform post show duties

I. TROUBLESHOOT PRODUCTION ELEMENTS

- 1. Identify the problem
- 2. Determine course of action
- 3. Inform supervisor
- 4. Fix the problem

J. MAINTAIN / REPAIR PRODUCTION AND VENUE ELEMENTS AND EQUIPMENT

- 1. Maintain stage carpentry elements
- 2. Maintain / repair electrical and lighting equipment
- 3. Maintain / repair audio-visual and sound equipment
- 4. Maintain / repair props
- 5. Maintain / repair special effects

K. OPERATE TOOLS AND EQUIPMENT

- 1. Operate material handling equipment
- 2. Operate personnel lifts
- 3. Use ladders
- 4. Use scaffolds
- 5. Operate intercoms and walkie-talkies
- 6. Use personal protective equipment
- 7. Use fall protection equipment
- 8. Operate rigging / equipment
- 9. Use knots and ropes
- 10. Operate sound, lighting automation consoles
- 11. Operate fly systems
- 12. Operate follow spots
- 13. Operate special effect devices
- 14. Use general purpose hand tools
- 15. Operate conventional power tools
- 16. Use testing equipment (e.g. multimeter)
- 17. Operate soldering / welding equipment
- 18. Use specialty tools
- 19. Use wardrobe tools and equipment
- 20. Use fasteners
- 21. Use adhesives, fillers, paints and solvents
- 22. Use sprayers and paint equipment
- 23. Use cleaning equipment
- 24. Operate food preparation equipment

L. COMPLY WITH LAWS, REGULATIONS, POLICIES 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 fall arrest
- 6. Comply with firearms and pyrotechnics regulations
- 7. Comply with WHMIS
- 8. Comply with compressed gas regulations and best practices
- 9. Comply with health and safety laws, regulations and best practices
- 10. Comply with employment standards and contracts
- 11. Comply with HR policies

And to accomplish the previously described professional competencies, A GENERAL STAGE TECHNICIAN must be able to...:

GENERAL COMPETENCIES :

M. DEMONSTRATE COMMUNICATION SKILLS

- 1. Speak in a clear and concise manner
- 2. Practice active listening
- 3. Use / interpret hand signals
- 4. Take notes
- 5. Label equipment
- 6. Practice head set protocol
- 7. Practice radio protocol
- 8. Share and transfer knowledge and expertise

N. DEMONSTRATE PERSONAL SKILLS

- 1. Take direction
- 2. Practice stage etiquette
- 3. Demonstrate situational awareness
- 4. Function as part of a team
- 5. Demonstrate analytical skills
- 6. Demonstrate mechanical aptitude
- 7. Demonstrate sensitivity to artistic work
- 8. Demonstrate physical and mental stamina and endurance
- 9. Practice punctuality
- 10. Meet deadlines
- 11. Practice self-discipline
- 12. Practice personal hygiene
- 13. Recognize one's physical limitations
- 14. Work at heights
- 15. Work in confined spaces
- 16. Work in the dark
- 17. Demonstrate problem solving skills
- 18. Exercise creative thinking
- 19. Demonstrate a sense of humour
- 20. Maintain concentration
- 21. Pay attention to details
- 22. Prioritize
- 23. Demonstrate flexibility, adaptability and availability
- 24. Respect others' physical limitations
- 25. Stay current