

# **IATSE Local 13 List Advancement Study Guide 2018**

## **Apprentice – D List**

The following is not test questions but rather topics and terms to be familiar with and do some research on. Not all topics may be on your test. Not all tested terms are on this study guide. The same topics are covered on all levels of the test while the questions differ in their complexity and depth.

A list of supplemental links and books is available on the Local 13 website.

### **Stage Vocabulary, Stage Rigging, Properties and Safety**

- Able to identify and tie most commonly used knots: bowline, clove hitch, truckers hitch, half hitch, etc.
- Styles of truss and ways to connect its sections, tools and hardware needed
- Ways truss is hung or ground supported, hardware needed: spansets, cable picks, deck chain, quick links, burlap, beam clamps, etc.
- Chain hoist control and operation
- Traditional soft good types, scrim, traveler, cyclorama, house curtain.
- Types of theatrical counter weight systems and its parts: arbor, system pipe, line-set, mule block, loft block, head block, tension block, sheaves, breasting line, spreader plates, trim chain
- Identify types of chain and its usage limitations: jack chain, safety chain, sash chain, deck chain, steel chain, quick links
- How to operate and properly weigh a theatrical counterweight system
- Pin rail and spot lines, dead hung scenery
- Hardware needed to rig scenery onto a batten and its proper use: wire rope, shackles, crimps/swages, turnbuckles, hanging irons, cleats, wire clips, thimble, batten clamps, etc.
- Traditional stage configurations: proscenium, thrust, arena/in the round, alley, black box
- Traditional theater house locations: grid, fly floor, crossover, loading rail, orchestra pit, FOH, backstage, trap room, wings, etc.
- Stage directions: Upstage, downstage, stage left, stage right, plaster line, on stage, off stage, down left, up right, etc.
- MSDS Sheets
- Reading a tape measure
- Proper use of personnel lifts, ladders, fall arrest equipment
- Proper fire extinguisher use
- Backline

### **Lighting and Electrics**

- Identify cable types and proper use, connector types, proper coiling
- L6-20, Cam-Lock, Stage-pin, Edison, RJ45, etc.

- Identify common light fixture types: fresnel, ellipsoidal, Par, followspot, LED, striplight, etc.
- Identify common fixture positions: groundrow, balcony rail, box booms, electric numbering, catwalks, booms, ladders, floor plates, etc.
- 3-Phase power and tie in procedure
- Lighting accessories: gel, gobos, top hats, barn doors, side arms, doughnuts, etc.
- AC vs. DC current
- Multimeter/voltmeter use
- Safety around electricity
- Reading a light plot
- Ohm's Law calculations
- Lighting Control network, patch
- Light fixture hang and focus general concepts

### Sound and Audio-Visual

- Common microphone types
- Identify cable types and proper use, connector types for audio and video: BNC, DVI, VGA, S-Video, Cat 5, Cat 6, Coax, Composite, Fiber optic, HDMI, NL4, SpeakON, RCA, 1/4in, XLR, 1/8in.
- General concepts of sound mixing
- Mono vs. Stereo
- Phantom power
- VCAs, dB, EQ, Graphic Equalizer, frequency, pitch, snake
- Proper way to handle fiber optic cable

### Unionism

- International IATSE
- Union officer/executive board positions: Steward, BA, President, Secretary, Financial, etc.
- Local 13 Dispatch Rules
- Local 13 Constitution
- Employer vs. employee responsibilities
- Robert's Rules of Order
- Negotiations

### Wardrobe, Costumes and Wigs

- Identify types of stitches
- Identify common fastener types
- Identify common tools
- Quick change order
- Proper ways to launder or iron various garments
- Garment maintenance
- Common types of fabrics and their qualities
- Symbols used on garment tags

- Ways to secure wigs or hair pieces onto a performer
- Types of garment and common period pieces
- Job titles in the costuming industry

### Carpentry

- Identify common hand and power tools
- Identify rigging and pipe hardware
- Identify common wood joints: miter, butt splice, scarf, lap, etc.
- PPE relevant to working in Scene Shop and Paint Shop: Gloves, safety glasses, face shield, welding helmets, welding gloves, ear plugs, hard hats, self retracting life line, respirators, etc.