

## NO RTEC JOB SPECIFIC SKILLS COMPETENCY

Updated 2/18/00

**CABINETMAKER (Woodworking)**

**DOT CODE: 660.280-010 SVP 6**

**Job Description:** Sets up and operates variety of woodworking machines and uses various handtools to fabricate and repair wooden cabinets and high-grade furniture. *Physical Demands* - Active, w/medium lifting, carrying, or moving (up to 50 lbs); *General Educational Development* - R4 M4 L3; *Aptitudes* - Average General Learning Ability, Verbal, Numerical, Spatial, Form Perception, Clerical Perception, Motor Coordination, Finger Dexterity and Manual Dexterity.

### CORE SKILL COMPETENCIES / INDICATORS:

1. Can demonstrate an understanding of industry safety rules. (S)
2. Can demonstrate ability to set up and operate a variety of woodworking machinery/equipment, including: power saws, jointer, mortiser, tenoner, molder, shaper, router, boring machine, clamps, portable and/or stationary belt sanders, hand tools such as planes, chisels, wood files, and spray guns and finishing equipment. (R, S, T)
3. Can demonstrate proper techniques used in the operation of hydraulic equipment. (R, S, T)
4. Can demonstrate ability to read and interpret blueprint and/or drawing specifications, and mark guidelines as appropriate. (R, IN, S)
5. Can demonstrate ability to accurately use a tape measure and other measuring devices such as steel rules, dial calipers, etc. (R, S, T)
6. Can demonstrate proper techniques involved in the use of all cabinet shop equipment, i.e., cut a straight line on a table saw; adjust machines/equipment for out of square; shoot a finish nail, brad, corrugated brads, or a staple from an air gun in a straight line, etc. (R, S, T)
7. Can demonstrate ability to identify and appropriately utilize all forms of building materials i.e., melamine, plywood, softwoods, hardwoods, masonite, luan, particleboard and vinyl surfacing materials. (R, S, T)
8. Can demonstrate ability to cut out (mill) wood components in a production fashion, at speed comparable to other millers in the shop, working from production sheets. (R, S, T)
9. Can demonstrate ability to assemble cabinet cases following diagrams or other shop plans to produce square and accurate cabinets. (R, S, T)
10. Can demonstrate ability to trim and sand pieces, bore holes needed for screws, dowels, etc., and join pieces together. (R, S, T)
11. Can demonstrate ability to construct a cabinet face frame, utilizing biscuits, pocket screws, corrugated brads, dowels, or any other available fastener. (R, S, T)
12. Can demonstrate ability to mill, shape, and assemble raised panel cabinet doors. (R, S, T)
13. Can demonstrate ability to drill out recesses, fit, and attach hinges to cabinet doors, and hang doors on cabinets accurately and evenly. (R, S, T)
14. Can demonstrate ability to mill, and assemble drawers and drawer faces, and mount slides and or glides to drawers and cabinets accurately and evenly. (R, S, T)
15. Can demonstrate ability to install hardware on drawers, such as catches and drawer pulls. (R, S, T)
16. Can demonstrate ability to modify cabinets by cutting out part to be changed and replacing or adding a new section. (R, S, T)
17. Can demonstrate ability to use formica and other laminates, including sage and correct usage of bonding adhesives, trim routers, edge banding, and hand files. (R, S, T)
18. Can demonstrate knowledge of the correct and safe use of finish spray equipment; safety devices such as fresh air respirator and cartridge respirators; and mist masks. (R, S, T)
19. Can demonstrate ability to properly select and apply a variety of finishing and covering products, such as water born lacquers, industrial lacquers, polyurethanes, stains, varnishes, and sanding

sealers, etc. (R, S, T)

20. Can demonstrate ability to select from various grits of sandpaper as appropriate to task, for use with air driven sanders or electric sanders. (R, S, T)
21. Can demonstrate ability to apply putties or fillers, and hand sand to an acceptable readiness for finish application without leaving swirl marks or other unacceptable marring or defects. (R, S, T)
22. Can demonstrate ability to correctly use various glues and clamping techniques and equipment to produce desired width boards that are even and unbowed. (R, S, T)
23. Can demonstrate ability to fix defects or minor damages to completed products to bring them up to quality standards. (R, S, T)
24. Can demonstrate ability to appropriately match materials/articles/components for color, grain or texture. (R, S, T)
25. Can demonstrate ability to work under stress to meet schedule deadlines. (R, I)