Specific Competencies and Skills Tested in this Assessment:

Safety
Apply shop and personal safety rules and procedures, including appropriate PPEs
Identify minor first aid treatment procedures
Recall fire and electrical safety rules and procedures
Identify SDS-related issues and information

Design, Layout, and Estimation
Interpret blueprints and specifications to industry standards
Interpret shop drawings/rough sketches
Interpret detailed drawings
Interpret a cut list or bill of materials
Identify types of joints and their uses
Estimate time and materials

Major Woods and Materials
Identify benefits of major woods and wood products
Demonstrate understanding of characteristics of different woods
Compare and contrast sheet good materials

Hand and Portable Power Tools
Identify proper use of portable power cutting tools
Identify proper use of fastening tools
Identify proper use of portable sanders
Identify proper use of portable routers
Identify proper use of hand tools
Identify proper use of portable drills and drivers
Cabinetmaking - PILOT (continued)

Stationary Power Equipment
Articulate proper use of stationary saws
Demonstrate understanding of how to remove and replace stationary saw blades
Identify proper use of boring machines and tools
Select and use appropriate boring bits
Identify proper use of planers and joiners
Identify proper use of shapers and stationary routers
Identify proper use of stationary sanders
Prepare stock

Assembly
Identify types and uses of different clamps
Identify methods of case construction
Identify various types of joinery
Identify methods of face frame construction
Identify various styles of door construction
Identify various types of drawer construction
Identify types and uses of hardware and accessories
Identify and use various fasteners

Finishing
Identify types and uses of finishing materials
Recall safe use and storage of finishing materials
Recall safe use of finishing tools and equipment

Installation
Determine how to install a base cabinet
Determine how to install a wall cabinet
Identify industry standards for installation
Cabinetmaking - PILOT (continued)

Written Assessment:

Administration Time: 3 hours
Number of Questions: 163

Areas Covered:

- 12% Safety
- 14% Design, Layout and Estimation
- 9% Major Woods and Materials
- 14% Hand and Portable Power Tools
- 18% Stationary Power Equipment
- 20% Assembly
- 6% Finishing
- 7% Installation

Sample Questions:

Proper PPE practices require that workers wear _____ while operating all machinery.
   A. gloves
   B. eye protection
   C. work aprons
   D. head protection

A scale is an instrument with all increments
   A. lengthened to proportion
   B. shortened to proportion
   C. shortened to length of project
   D. longer than length of project

It is best to make up a cut list before estimating the
   A. labor cost
   B. material cost
   C. installation time
   D. completion date

The sheets applied over the core material of plywood panel products are called
   A. over sheets
   B. face grains
   C. face veneers
   D. panels
Cabinetmaking - PILOT (continued)

The pneumatic stapler is operated by
A. compressed air
B. electricity
C. spring tension
D. hydraulic pressure

A common cause of band saw blade breakage is
A. cutting stock that is too thick
B. cutting green lumber
C. applying too much tension to the blade
D. using a feed rate that is too fast

The standard height of a kitchen base cabinet, including the counter top, is
A. 30 inches
B. 32 inches
C. 34 inches
D. 36 inches

When using metal drawer guides, _____ should be allowed when determining the drawer width.
A. 3/4 inch
B. 1 inch
C. 1-1/4 inches
D. 1-1/2 inches

What is the best tip for applying stain?
A. work in strong natural daylight
B. mix stains to create unique colors
C. wipe surfaces with solvent-soaked rag
D. apply stain to a horizontal surface

After fastening the second wall cabinet securely to the wall,
A. replace the doors if they were removed
B. set the next wall cabinet up to install
C. clamp and fasten the cabinets together
D. set the base cabinets in to install
Cabinetmaking - PILOT (continued)

**Performance Assessment:**

Administration Time: 3 hours  
Number of Jobs: 3

**Areas Covered:**

- **24%** Develop a Cut List  
  *Participant will go to designated station, use the shop drawings provided to complete a cut list, and turn the cut list into the evaluator. Evaluator will provide a Master Cut List which participant will use to proceed to other jobs.*

- **34%** Lay Out, Cut, and Assemble Face Frame  
  *Participant will refer to the drawings provided to lay out, cut, and assemble a face frame, leave the work area clean and orderly, and notify evaluator when finished.*

- **42%** Lay Out and Assemble One Drawer  
  *Participant will refer to the drawings provided, lay out and build a drawer, apply wood to drawer front, install drawer pull, leave work area clean and orderly, notify evaluator when finished, and submit Master Cut List and other written materials to the evaluator.*

**Sample Job:** Develop a Cut List

**Maximum Job Time:** 15 minutes

**Participant Activity:** The participant will go to the designated station, use the shop drawings provided as the source of all dimensions and information to create a Cut List, turn the Cut List in to the evaluator and use the Master Cut List the evaluator will provide to proceed to other jobs.