

PRECISION HEAVY EQUIPMENT OPERATIONS NYS (NY only)



PURPOSE

To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of precision machining technology.

CLOTHING REQUIREMENT

White crew neck short-sleeved T-shirt, work pants, safety glasses with side shields or goggles, leather or steel-toed work shoes, hair must be contained. (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.) Hardhat required, and outdoor clothing suitable for any outdoor weather.

Note: Contestants must wear their official contest clothing to the contest orientation meeting. Also bring #2 pencil, resume, and safety assurance form.

Eligibility:

Open to active SkillsUSA members enrolled in vocational programs on the secondary level with heavy equipment operation as the occupational objective.

Equipment and Materials:

Supplied by the NYS chair/committee:

- a. All equipment and materials needed by the contestants and judges.
 - b. All information necessary for the contestants and judges.
1. Supplied by the contestant:
 - a. Clipboard
 - b. Pen and/or pencil
 - c. Calculator
 - d. All competitors must create a one-page résumé using a word processor. Resume to be handed in at the orientation meeting.

- e. **Note:** Your contest may also require a hard copy of your résumé as part of the actual contest. Check the Contest Guidelines and/or the updates page on the NYS SkillsUSA Web site:

<http://www.nysskillsusa.org/>

Scope of the Contest:

The contest will be based on and consistent with the OSHA rules and regulations for heavy equipment operators. Competencies to be tested are determined by the SkillsUSA NY technical committee.

Knowledge Performance

The contest will include written knowledge assessments that require the understanding of heavy equipment technology-related knowledge (theory).

Skills Performance

The contest will include a hands-on skill competition. Each contestant in the SkillsUSA NY competition is expected to demonstrate competency in operating heavy equipment operation skills.

Contest Guidelines

1. Contestants shall be given job sheets explaining the tasks to be performed.
2. Contestants will demonstrate their ability to perform a safety and maintenance inspection before operating the equipment.
3. Contestants will be judged on their ability to properly operate and maneuver heavy equipment through the tasks provided on the job sheets in the specified time.
4. The contest equipment will be chosen from the following list:
Typical Equipment: John Deere, Case, Ford and Cat
 - a. Dump truck
 - b. Backhoe
 - c. Bulldozer
 - d. Rubber tire articulated loader

- e. Fork lift
 - f. Hydraulic Excavator
 - g. Implement Trailer
 - h. Builder's Level/ Laser
5. The tasks will be representative of the general excavating jobs such as:
- a. Loading and unloading fill
 - b. Moving and grading soil
 - c. Relocating supplies
 - d. Loading and unloading equipment from a trailer
 - e. Trenching and backfilling, Surveying-set and read elevations
 - f. All safety rules must be observed

Scoring Example:

Precision Heavy Equipment

Trk Ops-50

Dozer Ops-50

Backhoe Operation-50

Gnrl Scvy-50

Written test-50

Total 250